

## **LESSON PLAN EVEN SEMESTERS**

**B.Sc. H.Sc. III Year VI Sem (2021-2022)**

**Subject: Therapeutic Nutrition (607)**

**April- June 2022**

<b>WEEKS</b>	<b>Theory</b>
<b>Week I</b>	Principles of Diet Therapy
<b>Week II</b>	Modification of Normal Diet & Purposes
<b>Week III</b>	Full, Soft & Bland Diet
<b>Week IV</b>	Dietician and the Role of Dietician
<b>Week V</b>	GIT disorders – Diarrhea
<b>Week VI</b>	Constipation
<b>Week VII</b>	Fevers – Typhoid
<b>Week VIII</b>	T.B.
<b>Week IX</b>	Weight Management – Obesity
<b>Week X</b>	Under nutrition
<b>Week XI</b>	Diabetes Mellitus
<b>Week XII</b>	Hypertension
<b>Week XIII</b>	Hypertension
<b>Week XIV</b>	Kidney Disorders
<b>Week XV</b>	Kidney Disorders

**B.Sc. H.Sc. III Year Sem (2021-2022)**

**Subject: Therapeutic Nutrition (607) Practical**

**April – July 2022**

<b>WEEKS</b>	<b>Practical</b>
<b>Week I</b>	<b>Planning of Diet- Constipation &amp; Diarrhea</b>

<b>Week II</b>	Planning of Diet- Constipation & Diarrhea
<b>Week III</b>	Planning of Diet- Constipation & Diarrhea
<b>Week IV</b>	Preparation of Diet for Constipation & Diarrhea
<b>Week V</b>	Planning of Diet for Typhoid
<b>Week VI</b>	Planning of Diet for Typhoid
<b>Week VII</b>	Preparation of Diet for Typhoid
<b>Week VIII</b>	Planning of Diet for Hypertension
<b>Week IX</b>	Planning of Diet for Hypertension
<b>Week X</b>	Preparation of Diet for Hypertension
<b>Week XI</b>	Planning of Diet for Diabetes Mellitus
<b>Week XII</b>	Planning of Diet for Diabetes Mellitus
<b>Week XIII</b>	Preparation of Diet for Diabetes
<b>Week XIV</b>	Planning of Diet for Obesity
<b>Week XV</b>	Preparation of Diet for Obesity

**B.Sc. H.Sc. I Year (2021-2022)**  
**Subject: Fundamental of Nutrition (206)**  
**January – April 2022**

<b>WEEKS</b>	<b>Theory</b>
<b>Week I</b>	Food, Nutrients, RDA
<b>Week II</b>	Carbohydrates – Structure, Classification, Intake
<b>Week III</b>	Proteins – Structure, Classification, Intake
<b>Week IV</b>	Lipids – Structure, Classification, Intake
<b>Week V</b>	Lipids – Definition & Classification, Function

<b>Week VI</b>	Lipids – Sources, Deficiency & Excess
<b>Week VII</b>	Water – Function & Sources, Intake
<b>Week VIII</b>	Function, Sources & RDA of Vitamin A
<b>Week IX</b>	Functions, Sources & RDA of Vitamin D
<b>Week X</b>	Functions, Sources & RDA of Vitamin K & E
<b>Week XI</b>	Functions, Sources & RDA of Vitamin E & Folic Acid
<b>Week XII</b>	Functions, Sources & RDA of Vitamin B- Complex
<b>Week XIII</b>	Function, Sources & RDA of Macro Minerals
<b>Week XIV</b>	Function, Sources & RPA of Micro Minerals
<b>Week XV</b>	Function, Sources & RDA of Micro Minerals

**B.Sc. H.Sc. I Year (2021-2022)**

**Subject: Fundamental of Nutrition (206) Practical  
April - June 2022**

<b>WEEKS</b>	<b>Practical</b>
<b>Week I</b>	Planning, Preparation of Energy rich recipes
<b>Week II</b>	Planning, Preparation of Energy rich recipes
<b>Week III</b>	Planning & Preparation of Protein rich recipes
<b>Week IV</b>	Planning & Preparation of Protein rich recipes
<b>Week V</b>	Planning & Preparation of Vitamin – A Rich recipes
<b>Week VI</b>	Planning & Preparation of Vitamin – A Rich recipes
<b>Week VII</b>	Planning & Preparation of Iron rich recipes
<b>Week VIII</b>	Planning & Preparation of Iron rich recipes
<b>Week IX</b>	Planning & Preparation of Calcium rich recipes

<b>Week X</b>	Planning & Preparation of Calcium rich recipes
<b>Week XI</b>	Planning & Preparation of Thiamin rich recipes
<b>Week XII</b>	Planning & Preparation of Thiamin rich recipes
<b>Week XIII</b>	Planning & Preparation of Vitamin C rich recipes
<b>Week XIV</b>	Planning & Preparation of Vitamin C rich recipes
<b>Week XV</b>	Planning & preparation of Fibre rich recipes

**B.Sc. H.Sc. II Year (2021-2022)**  
**Subject: Community Development & Communication (401)**  
**January – April 2022**

<b>Weeks</b>	<b>Theory</b>
<b>Week I</b>	Meaning, Scope & Importance of Communication
<b>Week II</b>	Elements of Communication
<b>Week III</b>	Problems of Communication
<b>Week IV</b>	Models of Communication
<b>Week V</b>	Various Type of Communication
<b>Week VI</b>	Classification of Teaching Methods
<b>Week VII</b>	Scope, Advantage & Limitations of Ext. Methods
<b>Week VIII</b>	Scope, Advantage & Limitations of Ext. Methods
<b>Week IX</b>	Panchayati Raj System
<b>Week X</b>	Principles of Democratic Decentralisation
<b>Week XI</b>	Classification of Audio- Visual Aids
<b>Week XII</b>	Selection & Use of Audio-Visual Aids
<b>Week XIII</b>	Radio talks, Television



<b>Week XIV</b>	Personal Talk, Conferences
<b>Week XV</b>	Tours, Campaigns, Village Fair

**B.Sc. H.Sc. II Year (2021-2022)**  
**Subject: Community Development & Communication (401) Practical**  
**January – April 2022**

<b>Weeks</b>	<b>Practical</b>
<b>Week I</b>	Use of 5 Non-projected Aids
<b>Week II</b>	Poster
<b>Week III</b>	Chart
<b>Week IV</b>	Leaflet
<b>Week V</b>	Pamphlet & Flashcards
<b>Week VI</b>	Preparation of Projected Aids
<b>Week VII</b>	Transparency
<b>Week VIII</b>	Power Point Presentation
<b>Week IX</b>	Power Point Presentation
<b>Week X</b>	Use of Puppet as a media
<b>Week XI</b>	Use of Puppet as a media
<b>Week XII</b>	Use of Puppet as a media
<b>Week XIII</b>	Preparation of Radio Talks
<b>Week XIV</b>	Preparation of Radio Talks
<b>Week XV</b>	Preparation of Radio Talks

**B.Sc. H.Sc. III Year (2021-2022)**  
**Subject: Nutritional Biochemistry II (603)**  
**January – April 2022**

<b>Weeks</b>	<b>Theory</b>
<b>Week I</b>	Definition and Classification of Lipids
<b>Week II</b>	Properties of Fatty acids
<b>Week III</b>	Beta Oxidation of Lipids
<b>Week IV</b>	Biosynthesis of Fatty acids
<b>Week V</b>	Ketone body formation, Ketosis, Fatty Liver
<b>Week VI</b>	TCA Cycle
<b>Week VII</b>	ETC
<b>Week VIII</b>	Oxidative Phosphorylation
<b>Week IX</b>	Biosynthesis of Proteins
<b>Week X</b>	Biosynthesis of Proteins
<b>Week XI</b>	Nucleic Acid – Concept & Composition
<b>Week XII</b>	Replication of Nucleic Acid
<b>Week XIII</b>	Transcription of Nucleic Acid
<b>Week XIV</b>	Genetic Code
<b>Week XV</b>	Structure of DNA and RNA

**B.A. I Year II Semester (2021-2022)**  
**Home Science (Theory)**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Health Education (Meaning & Objectives) Health Hazards
<b>Week II</b>	Definition of Health and Hygiene, Factors relating to Health
<b>Week III</b>	Water (Importance, Impurities, Types, Sources and Purify)

<b>Week IV</b>	Definition of infection, infective agents, infections disease
<b>Week V</b>	Communicable diseases
<b>Week VI</b>	Disinfectant – Definition, Types and methods
<b>Week VII</b>	Immunity Definition, Types and Schedule
<b>Week VIII</b>	Diseases Spread by insects – Malaria
<b>Week IX</b>	Diseases spread by ingestion
<b>Week X</b>	Disease Spread by droplet infections
<b>Week XI</b>	Diseased Spread by contact
<b>Week XII</b>	Transmission of heat their application
<b>Week XIII</b>	Thermometer and J Scales of measurement
<b>Week XIV</b>	Evaporation
<b>Week XV</b>	Revision and Test

**B.Sc. II Year IV Semester (2021-2022)**

**Psychology - 403**

**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Motivation - Definition Types of Motives
<b>Week II</b>	Learning – Meaning, Nature and Theories effect of Motivation
<b>Week III</b>	Principles of Learning, Factors affecting Learning, Test
<b>Week IV</b>	Intelligence (Concept Theories, Development and Measurement)
<b>Week V</b>	Thinking (Concepts and Tools of Thinking)
<b>Week VI</b>	Imagination – Nature and Development

<b>Week VII</b>	Reasoning as related to imagination and Thinking
<b>Week VIII</b>	Personality Concept Definition and Types
<b>Week IX</b>	Assessment of Personality
<b>Week X</b>	Factors Influencing Personality
<b>Week XI</b>	Freud's Theory of Personality, Test
<b>Week XII</b>	Memory Definition and Analysis Improvement
<b>Week XIII</b>	Types of Memory Remembering, Test
<b>Week XIV</b>	Forgetting Concept and Types
<b>Week XV</b>	Theories Test

**B.A. I Year II Semester (2021-2022)**  
**Home Science (Practical)**  
**January - April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Pottery Painting
<b>Week II</b>	Pottery Painting
<b>Week III</b>	Pottery Decoration
<b>Week IV</b>	Pottery Decoration
<b>Week V</b>	Flower Arrangement (Fresh)
<b>Week VI</b>	Flower Arrangement (Dry)
<b>Week VII</b>	Flower Arrangement (Fresh)
<b>Week VIII</b>	Flower Arrangement (Dry)
<b>Week IX</b>	Preparation of Chart

<b>Week X</b>	Preparation of Chart
<b>Week XI</b>	Preparation of Chart
<b>Week XII</b>	Checking (File and Chart)
<b>Week XIII</b>	Preparation of any article
<b>Week XIV</b>	Preparation of any article
<b>Week XV</b>	Checking of File and Article

**B.Sc. III Year VI Semester (2021-2022)**  
**Women Empowerment 601**  
**January - April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Status of Indian Women Legal, Social
<b>Week II</b>	Status of Women Economical, Political
<b>Week III</b>	Status of Women Educational
<b>Week IV</b>	Problems related to Women Violence and Abuse
<b>Week V</b>	Families with Marital disharmony and dowry
<b>Week VI</b>	Sexual discrimination and Exploitation
<b>Week VII</b>	Mass Media and Women Empowerment
<b>Week VIII</b>	Education and Empowerment
<b>Week IX</b>	Empowerment and Empowerment
<b>Week X</b>	Home Science Education and Empowerment
<b>Week XI</b>	Role of H.Sc in Professional Development
<b>Week XII</b>	Trends in Women's Movement
<b>Week XIII</b>	Women movement in reference to India

<b>Week XIV</b>	Social Welfare Programmes
<b>Week XV</b>	Impact of Social Welfare Programmes

**B.Sc. III Year VI Semester (2021-2022)**  
**Child Welfare (Theory) - 602**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Definition and Objectives of Child Welfare
<b>Week II</b>	Philosophy of Child Welfare
<b>Week III</b>	National Policy of Child Welfare (Needs & Goals)
<b>Week IV</b>	Problem of School dropouts and Child Labour
<b>Week V</b>	Effect of Mass Media on Children
<b>Week VI</b>	Nutritional and Educational Deprivation
<b>Week VII</b>	Emotional Deprivation, Test
<b>Week VIII</b>	Children with Special needs Blind Children
<b>Week IX</b>	Deaf and Dumb Children
<b>Week X</b>	Mentally retarded Children
<b>Week XI</b>	Juvenile Delinquency, Test
<b>Week XII</b>	Voluntary Agencies
<b>Week XIII</b>	International Agencies
<b>Week XIV</b>	Family Planning Programme in India
<b>Week XV</b>	Family Planning Programmes, Test

**B.Sc. III Year VI Semester (2021-2022)**  
**Child Welfare (Practical) - 602**  
**January - April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Visit to Bal Bhawan, Writing Report
<b>Week II</b>	Visit to Nursery School, Report Writing
<b>Week III</b>	File Checking
<b>Week IV</b>	Visiting to the Institutes for Children, Report
<b>Week V</b>	Preparing Play Material and Toys (4 – 6 years old)
<b>Week VI</b>	Preparing Play Material (4-6 Years old)
<b>Week VII</b>	Prepare Questionnaire for Survey
<b>Week VIII</b>	Survey to know deprivation of girls
<b>Week IX</b>	Report writing and checking of files
<b>Week X</b>	Observation of Child Welfare Activities
<b>Week XI</b>	Write a Report on involvement of Children
<b>Week XII</b>	File Check
<b>Week XIII</b>	Make resource file regarding C.W. happening
<b>Week XIV</b>	Collect child Welfare happenings
<b>Week XV</b>	File Check

**B.Sc. II Year VI Semester (2021-2022)**  
**Food Microbiology Theory (604)**  
**January - April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Characteristics of Moulds, Yeasts and Bacteria

<b>Week II</b>	Useful and Pathogenic Microorganisms
<b>Week III</b>	Brief History of food microbiology
<b>Week IV</b>	Important Microorganisms in food – Test
<b>Week V</b>	Primary Source of Micro organisms in foods
<b>Week VI</b>	Extrinsic and Intrinsic Parameters of growth
<b>Week VII</b>	Contamination and Spoilage by Micro organisms
<b>Week VIII</b>	Preservation – Cereal, Egg, Poultry – Test
<b>Week IX</b>	Food Preservation – Use of High and Low Temp.
<b>Week X</b>	Freeze drying, Irradiation in Food Preservation
<b>Week XI</b>	Microbes used in Food Bio technology
<b>Week XII</b>	Fermented food and their benefits text
<b>Week XIII</b>	Public Health Hazards due to contaminated foods
<b>Week XIV</b>	Food borne Infections, Indices of Food, Milk
<b>Week XV</b>	Food, Water and Milk Testing – Test

**B.Sc. II Year IV Semester (2021-2022)**  
**Food Science (Theory) - 407**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Vegetables and Fruits – Classification, Composition
<b>Week II</b>	Nutritive Value, Selection, Vegetables Cookery, Shortage
<b>Week III</b>	Post Harvest Changes in Fruits, Enzymatic Browning
<b>Week IV</b>	Raising and Leavening Agents – Types, uses
<b>Week V</b>	Eggs – Composition, Quality of Eggs, Egg Cookery



<b>Week VI</b>	Use of Egg in different preparations
<b>Week VII</b>	Meat, Fish and Poultry – Meat – Composition
<b>Week VIII</b>	Nutritive Value, Post Mortem changes in Meat
<b>Week IX</b>	Fish – Types, Composition, Fish Cookery
<b>Week X</b>	Fish Spoilage, Storage
<b>Week XI</b>	Poultry – Types, Composition, Nutritive Value
<b>Week XII</b>	Spices and Condiments – Classification
<b>Week XIII</b>	Uses, Storage of Spices, Note on Herbs
<b>Week XIV</b>	Evaluation of Food Quality – Sensory Evaluation
<b>Week XV</b>	Objective Evaluation, Texture Evaluation

**B.Sc. II Year IV Semester (2021-2022)**  
**Food Science (Practical) - 407**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Preparation of James – Group I
<b>Week II</b>	Preparation of James – Group II
<b>Week III</b>	File Checking
<b>Week IV</b>	Preparation of Chutney - Group I
<b>Week V</b>	Preparation of Chutney – Group II
<b>Week VI</b>	File Checking
<b>Week VII</b>	Preparation of Pickles – Group I
<b>Week VIII</b>	Preparation of Pickles – Group II
<b>Week IX</b>	File Checking

<b>Week X</b>	Preparation of Jelly – Group I
<b>Week XI</b>	Preparation of Jelly – Group II
<b>Week XII</b>	File Checking
<b>Week XIII</b>	Preparation of Murabbas – Group I
<b>Week XIV</b>	Preparation of Murabbas – Group II
<b>Week XV</b>	Visiting to Food Industry, File Checking

**B.Sc. II Year IV Semester (2021-2022)**  
**Introduction to Home Management II (Theory) (406)**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Ergonomics in Home
<b>Week II</b>	Work Simplification – Body Mechanics
<b>Week III</b>	Mendel's Classes of Change
<b>Week IV</b>	Work Study Techniques – Test
<b>Week V</b>	Income – Types of Income, Budget
<b>Week VI</b>	Steps in Budget, Factor affecting Budget
<b>Week VII</b>	Saving – Types of Saving – Bank
<b>Week VIII</b>	Insurance, Provident Fund – Test
<b>Week IX</b>	Credit – Its use, Types of Credit
<b>Week X</b>	Problem in Credit, Taxation – Types
<b>Week XI</b>	Basic Calculation of Income Tax – Test
<b>Week XII</b>	Introduction of Art – Elements of Art
<b>Week XIII</b>	Color, Pattern, Shape, Light, Space

<b>Week XIV</b>	Color – Classification, Dimensions, Color scheme
<b>Week XV</b>	Factors, Influencing colour

**B.Sc. II Year IV Semester (2021-2022)**  
**Institutional Food Management (Theory) - 404**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
<b>Week I</b>	Catering Management – Definition and Scope
<b>Week II</b>	Hygiene Sanitation and Environment
<b>Week III</b>	Hygiene in food Handling
<b>Week IV</b>	Personal Hygiene Test
<b>Week V</b>	Organization of Spaces – Workspace
<b>Week VI</b>	Work Surfaces, Lighting and Ventilation
<b>Week VII</b>	Storage Spaces – Location, Types, Sanitation
<b>Week VIII</b>	Surface Areas – Location and Planning Test
<b>Week IX</b>	Menu Planning – Planning and Writing Menus
<b>Week X</b>	Types of Menus, Use of Menu
<b>Week XI</b>	Food Service – Various Styles of Service Test
<b>Week XII</b>	Food Cost Control – Why Control Food Costs
<b>Week XIII</b>	Costing of dishes, Means and Events
<b>Week XIV</b>	Pricing - Methods of Pricing
<b>Week XV</b>	Factors affecting Pricing Test

**B.A. Home Science III Year (VI Semester)(2021-2022)**  
**Home Science (HS06)**  
**January – April, 2022**

<b>WEEKS</b>	<b>Topics</b>
<b>Week I</b>	Definition, Aims, Subject Matter, Objective of Child Psychology
<b>Week II</b>	Learning – What is Learning, Importance of Learning
<b>Week III</b>	Methods of Learning, Factors affecting Learning
<b>Week IV</b>	Role of Reward and Punishment in Learning, Test
<b>Week V</b>	Personality Development – Nature of Personality, Definition
<b>Week VI</b>	Play – Definition, Features of Play, Types of Play
<b>Week VII</b>	Stages of Development of Child, Problems of Adolescence
<b>Week VIII</b>	Role of Parents and Teachers, Test
<b>Week IX</b>	The Expectant Mother – Signs of Pregnancy
<b>Week X</b>	Discomforts of Pregnancy
<b>Week XI</b>	Ill effects of an Early Marriage, Test
<b>Week XII</b>	Breast Feeding, Artificial Feeding
<b>Week XIII</b>	Common Ailments in Childhood – Cold, Cough, Fever
<b>Week XIV</b>	Digestive Disturbance – Diarrhea, Constipation, Vomiting
<b>Week XV</b>	Skin Infections – Test

**B.A. Home Science III Year VI Semester (2021-2022)**  
**Home Science (Practical) HS06**  
**January – April, 2022**

<b>Weeks</b>	<b>Topics</b>
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<b>Week I</b>	Planning and Preparation Meal for Pre School Group – I
<b>Week II</b>	Planning and Preparation Meal for Pre School Group – II
<b>Week III</b>	File Checking
<b>Week IV</b>	Planning and Preparation Meal – School Going Group I
<b>Week V</b>	Planning and Preparation Meal – School Going Group – II
<b>Week VI</b>	File Checking
<b>Week VII</b>	Planning and Preparation Meal – Adolescent Group –I
<b>Week VIII</b>	Planning and Preparation Meal – Adolescent Group – II
<b>Week IX</b>	Planning and Preparation Meal – Pregnant Group – I
<b>Week X</b>	Planning and Preparation Meal – Pregnant Group – II
<b>Week XI</b>	File Checking
<b>Week XII</b>	Food Preservation – Pickle, Chutney
<b>Week XIII</b>	Preparation of – Jam, Squash
<b>Week XIV</b>	Preparation of – Murabba
<b>Week XV</b>	File Checking

**B.Sc. (Home Science) II<sup>nd</sup> Semester, I<sup>st</sup>Year (2021-2022)**

**Introduction to Textile (214) Theory**

**LESSON PLAN (Jan-April,2022)**

<b>Week</b>	<b>Syllabus</b>
<b>Week I</b>	Fibers, its taxonomy and classification
<b>Week II</b>	Manufacturing and properties of plant fibers- cotton

<b>Week III</b>	Manufacturing and properties of plant fibers- jute
<b>Week IV</b>	Manufacturing and properties of silk fiber
<b>Week V</b>	Manufacturing of rayon and polyester fibers
<b>Week VI</b>	Manufacturing of acrylic and polyamide fibers
<b>Week VII</b>	Basic principles of yarn making, Simple yarn
<b>Week VIII</b>	Types of Yarns: Novelty Yarns
<b>Week IX</b>	Properties of yarn and Importance of blends
<b>Week X</b>	Weaving: parts of loom and Basic weaves
<b>Week XI</b>	Basic weaves, types and making
<b>Week XII</b>	Weaving: Fancy weaves, types and making
<b>Week XIII</b>	Knitting: types of knit
<b>Week XIV</b>	Advantages and disadvantages of knit
<b>Week XV</b>	Braiding, felting and bonding

**B.Sc. (Home Science) II<sup>nd</sup> Semester, I<sup>st</sup>Year (2021-2022)**

**Introduction to Textile (214) Practical**

**LESSON PLAN (Jan-April,2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Collection of different types of natural fibers
<b>Week II</b>	Microscopic identification of Natural Fibers
<b>Week III</b>	Burning identification of Natural Fibers
<b>Week IV</b>	Chemical identification of Natural Fibers

<b>Week V</b>	Collection of synthetic fibers
<b>Week VI</b>	Microscopic identification of Natural Fibers
<b>Week VII</b>	Burning identification of Natural Fibers
<b>Week VIII</b>	Chemical identification of Natural Fibers
<b>Week IX</b>	Collection of Material for weave making
<b>Week X</b>	Making of weaves
<b>Week XI</b>	Making of weaves
<b>Week XII</b>	Making of weaves
<b>Week XIII</b>	Making of any Four fancy weaves
<b>Week XIV</b>	Making of any next Four fancy weaves
<b>Week XV</b>	To estimate the thread count of fabric Knitting: thumb method and ending

**B.Sc. (Home Science) IV<sup>th</sup> Semester, II<sup>nd</sup> Year (2021-2022)**

**Garment Construction and Apparel Science (415) Theory**

**LESSON PLAN (Jan-April, 2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Selection of garments for Infant
<b>Week II</b>	Selection of garments for toddlers and preschool
<b>Week III</b>	Selection of garments for School going and teenager and <b>class test</b>
<b>Week IV</b>	Selection of garments for adult and old age
<b>Week V</b>	Selection of household linen and curtain



<b>Week VI</b>	Selection of garments for draperies and towels
<b>Week VII</b>	Selection of readymade garments
<b>Week VIII</b>	Renovation and mending and class test
<b>Week IX</b>	Construction of drafting and pattern making
<b>Week X</b>	Construction of draping and types
<b>Week XI</b>	Fit: recognizing correct fit and balance
<b>Week XII</b>	Problems of fit and remedies class test
<b>Week XIII</b>	Fashion & factors favoring and retarding fashion
<b>Week XIV</b>	Fashion cycle and buying criteria for readymade garments
<b>Week XV</b>	Samples of increasing and decreasing of knit

**B.Sc. (Home Science) IV<sup>th</sup> Semester, II<sup>nd</sup>Year(2021-2022)**

**Garment construction and apparel science (415) Practical**

**LESSON PLAN (Jan-April,2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Drafting of child bodice block
<b>Week II</b>	Drafting of child bodice block with collar
<b>Week III</b>	Drafting checking and problem taking
<b>Week IV</b>	Drafting of A line frock
<b>Week V</b>	Drafting of frock
<b>Week VI</b>	Cutting and stitching of A line frock
<b>Week VII</b>	Garments checking and file checking
<b>Week VIII</b>	Drafting of Kameej

<b>Week IX</b>	Drafting of same and query taking
<b>Week X</b>	Drafting of Salwar
<b>Week XI</b>	Cutting of Kameej and Salwar
<b>Week XII</b>	Stitching of Kameej and Salwar
<b>Week XIII</b>	Drafting of petticoat
<b>Week XIV</b>	Stitching of petticoat
<b>Week XV</b>	Checking of garments

**B.Sc. (Home Science) VI<sup>th</sup> Semester, III<sup>rd</sup>Year (2021-2022)**

**Apparel designing (615) Theory**

**LESSON PLAN (Jan-April,2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Design: its components and characteristics
<b>Week II</b>	Structural design through variation in yarn
<b>Week III</b>	Structural design through variation in weaves
<b>Week IV</b>	Structural design through decorative finishes
<b>Week V</b>	Applied designs through dyeing & printing
<b>Week VI</b>	Applied designs through embroidery
<b>Week VII</b>	Line, form and shapes analysis

<b>Week VIII</b>	Texture analysis and colors use in garments
<b>Week IX</b>	Use of Colours in garments
<b>Week X</b>	Principles of design in garments
<b>Week XI</b>	Study average figure types
<b>Week XII</b>	Designing clothes for different figure
<b>Week XIII</b>	Designing clothes for figure with variation
<b>Week XIV</b>	Use of computer in apparel construction
<b>Week XV</b>	Application of computer aided designing

**B.Sc. (Home Science) VI<sup>th</sup> Semester, III<sup>rd</sup> Year (2021-2022)**

**Apparel designing (615) Practical**

**LESSON PLAN(Jan-April,2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Study colors, and color wheel
<b>Week II</b>	Use of color schemes in garments
<b>Week III</b>	Study grey scale and value scale
<b>Week IV</b>	Checking of work sheets
<b>Week V</b>	Use of line in garments
<b>Week VI</b>	Study of body shapes
<b>Week VII</b>	Developments of motif and its placement
<b>Week VIII</b>	Making of same
<b>Week IX</b>	Motif enlarging and reducing effect

<b>Week X</b>	Making an apparel by embroidery
<b>Week XI</b>	Making a household article by printing
<b>Week XII</b>	Study of batik on fabric
<b>Week XIII</b>	Making an article of batik
<b>Week XIV</b>	File checking
<b>Week XV</b>	Garments checking and problem solving

**B.Sc. (Home Science) VI<sup>th</sup> Semester, III<sup>rd</sup> Year (2021-2022)**

**Interior Designing (616) Practical**

**LESSON PLAN (Jan-April, 2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Study types of flower arrangements
<b>Week II</b>	Collection of material for flower making
<b>Week III</b>	Making of ten flowers by organza fabric
<b>Week IV</b>	Making of ten flowers by using stoking
<b>Week V</b>	Flower arrangement for different area
<b>Week VI</b>	File checking, selecting the idea for pot painting
<b>Week VII</b>	Pot painting by students
<b>Week VIII</b>	Selecting the material and idea for pot decoration
<b>Week IX</b>	Pot decoration by students
<b>Week X</b>	File checking and pot checking
<b>Week XI</b>	Making of curtain by any 6 method
<b>Week XII</b>	Making of curtain by next six method

<b>Week XIII</b>	Making any two are pieces by waste material
<b>Week XIV</b>	Making any two are pieces by waste material
<b>Week XV</b>	FileChecking

**B.A. (Home Science) IV<sup>th</sup> Semester, II<sup>nd</sup>Year (2021-2022)**

**Home Science (HS04) Practical**

**LESSON PLAN (Jan-April,2022)**

<b>Weeks</b>	<b>Syllabus</b>
<b>Week I</b>	Study of sewing machine with parts
<b>Week II</b>	Making diagram of sewing machine
<b>Week III</b>	Study anthropometric body measurements
<b>Week IV</b>	File checking
<b>Week V</b>	Drafting of child bodice block with collar
<b>Week VI</b>	Drafting of A line frock
<b>Week VII</b>	Cutting and stitching of A line frock
<b>Week VIII</b>	Drafting of Kameej
<b>Week IX</b>	Drafting of Salwar
<b>Week X</b>	Checking of Draftings
<b>Week XI</b>	Kameej and Salwar cutting
<b>Week XII</b>	Stitching of garments (Kameej and Salwar)
<b>Week XIII</b>	Drafting of petticoat
<b>Week XIV</b>	Checking of petticoat drafting
<b>Week XV</b>	Cutting and stitching of petticoat

## Lesson Plan Mathematics

**Teacher Name :Dr Rekha Dahiya**

**Class. : B.com 1<sup>st</sup> sec B**

**Paper. Mathematics**

Month/week	Topic
March Week 4/5	Introduction
April Week 1	Definition of matrix , types, algebra of matrix
Week 2	Calculation of values determinants
Week 3	Adjoint of a matrix , finding inverse of matrix
Week 4/5	Elementary row and column operation
May Week 1	Differentiation
Week 2	Differentiation
Week 3	Compound interest
Week 4/5	Annuities
June Week 1	Ratio
Week 2	Percentage
Week 3	Profit and loss
Week 4/5	Revision and test

### Lesson Plan Academic Session 2020-21

**Subject-Mathematics**

**Class...B.Sc.IIIrd...**

**Paper:- Dynamics.....**

**Name:- Dr Rekha Dahiya.**

	Month
	March 2022
Week 4	Introduction
Week 5	Velocity and acceleration along radial, transverse and normal direction
April	Relative velocity and acceleration

Week 1	
Week 2	Simple harmonic motion
Week 3	Elastic string
Week 4	Mass , momentum and force
Week 5	Newton's law of motion
May week 1	
Week 2	work power and energy
Week 3	Definition of conservative force and impulsive forces
Week 4	Motion on smooth and rough plane curves
Week 5	Projectile motion of a particle in a plane
June Week 1	Vector angular velocity
Week 2	Central orbit
Week 3	Kepler's law
Week 4	Motion of a particle in three dimension
Week 5	Acceleration in terms of different co ordinate system

Name of the Assistant Professor: Dr. SUDESH
Class and Section: B.Sc. mathhons (4th Semester)
Subject: STATISTICS
Paper: ELEMENTARY INFERENCE
<b>APRIL</b>
Week 1: Definition of Parameter and Statistic ,Standard error of estimate, Point and interval estimation
Week 2: Unbiasednes, Efficiency
Week3: Consistency and Sufficiency

Week4: Revision and test
<b>MAY</b>
Week 1: Method of maximum likelihood estimation, Null and alternative hypothesis
Week 2: Simple and alternative hypothesis, critical region , level of significance
Week3: one tailed test and two tailed test, Types of error, Neyman - Pearson Lemma
Week4: Testing and interval estimation of a single mean, single proportion, two means and two proportion, Fisher Z transformation
<b>JUNE</b>
Week1: Definition of Chi-Square test for goodness of fit and independence of attributes
Week2: Definition of student t and Snedcor F –Statistics ,Testing for mean and variances of univariate normal distributions
Week3: Testing of equality of two means and two variances of two univariate normal Distributions
Week4: Analysis of variance for one-way and two-way classified data

**Name of Assistant Professor: - Mrs. Mamta**

**Class and Section:- B.Sc. Math (Hons) Semester – 6th**

**Subject: - Fluid Dynamics**

**Lesson Plan: (from 21march, 2021 to 30 June, 2021)**

<b><u>Week 4, 5(21March to 31march)</u></b>
Introduction of Fluid Dynamics, Eulerian Method & Its Examples

<b><u>Week 1 (1April to 3 April)</u></b>
Lagrangian method and its example



**Week 2, (4April to 10April)**

Streamline, Path lines and it's examples

**Week 3 (11April to 17April )**

Streamline and its example and problems discussion

**Week 4 (18April to 23 April)**

Vortex line and it's related theorem and example

**Week 5. (24 April to 30 April)**

Test 1st unit topic, Velocity Potential and its related theorem and example ,rotational and irrational motion

**Week 1. (01 May to 08 May)**

Equation of Continuity and all its form & Its Examples , Boundary Surface ,

**Week 2 (9 May to 15May)**

Assignment, Acyclic and cyclic Irrotational Motion , Kinetic energy of Irrotational Flow , Test – Unit 1

**Week 3 (16 May to 22May)**

Kelvin's Minimum Energy Theorem & Its Examples, Axially Symmetric Flows , Liquid Streaming Past a Fixed Sphere, Motion of Sphere through a liquid at rest at infinity

**Week 4,5(23May to 31 may)**

Problem of Above Topic, Equation of Motion of a Sphere, Three Dimensional Spaces ,Test - Unit 2, Source, Sink and Doublet and Their Images

**Week 1, (01June to 5June)**

Stoke's Stream Function and Its Example, Acceleration at a point of fluid Components of acceleration in cylindrical, Spherical Polar Co.ordinate, Problem of above Topic

**Week 2, (6 June to 12 June)**

Assignments, Pressure at a point of moving fluid and its examples ,Euler's and Lagrange's of motion, Bernoulli's equation and its example ,Impulsive motion, stream function,Test-Unit 3

**Week 3, (13 June to 19 June)**

Irrational motion in two dimensions, Complex Velocity Potential, Milne-Thomson and its example, two dimensions source, sink, doublets and their image, problem of above Topic.

**Week 4, 5(20 June to 30 June)**

Assignments, Blasius Theorem, Two Dimensional Irrational motions produced by motions of circular and co-axial cylinder in an infinite mass of liquid, problem of above Topic, Test-Unit 4

**Lesson Plan  
Academic Session 2020-21**

**Subject-Mathematics**

**Class...B.Sc.IInd Hons...**

**Paper:- Hydrostatics.....**

**Name:- Dr Rekha Dahiya.**

	<b>Month</b>
	<b>March 2022</b>
Week 4	Introduction to force and pressure
Week 5	Pressure equilibrium, conditions of equilibrium homogenous and heterogeneous fluid
April Week 1	Elastic fluid, surface of equal pressure
Week 2	Fluid at rest under the action of gravity
	Rotating fluid
Week 3	Fluid pressure on plane surface
Week 4	Centre of pressure, resultant pressure on surfaces
Week 5 May week 1	Equilibrium of floating bodies
Week 2	Curve of buoyancy, surface of buoyancy
	Stability of equilibrium of floating bodies

Week 3	Metacentre, work done in producing a displacement
Week 4	Vessel containing liquid, gas law
Week 5	Mixture of gases, internal energy
June Week 1	Adiabatic expansion
Week 2	Work done in compressing a gas
Week 3	Geothermal atmosphere convective equilibrium
Week 4	Example based on atmosphere
Week 5	Revision and test

## Lesson Plan

**Academic Session 2021-22**

**Subject-Mathematics**

**Class...B.Sc physics honours 2 sem**

**Paper:-Mathematics.....**

**Name: Dr. Preeti**

	<b>April 2022</b>
Week 1,2	Function of real variable
Week 3	Limit, continuity of functions
Week 4	Differentiability of functions
Week 5	Take Problems
	<b>MAY 22</b>
Week 1	Uniform continuity, uniform theorem for analytic function, Intermediate theorem
Week 2	Taylor's and Maclaurin series of elementary analytic function, Taylor's theorem
Week 3	Function of two or three variables, their continuity, differentiability, Schwarz and Young's theorem, implicit theorem
Week 4	Definition and examples of Riemann integral of bounded function, Riemann integral of monotonic and continuous function
Week 5	Riemann as limit of sum
	<b>JUNE 22</b>
Week 1	Take problem of Riemann

Week 2	Fundamental theorem of integral calculus, Mean value theorem
Week 3	Integration of rational and irrational function, by partial fraction
Week 4	Properties of definite integral, their problems
Week 5	Take problem and assignment

<b>Name of the Assistant/Associate Professor: Sarita/Babita/Parvesh</b>
<b>Class and Section: B.Sc (NM), B.A., B.Sc. Mathhons (6th Semester)</b>
<b>Subject: Mathematics</b>
<b>Paper: Real and Complex Analysis</b>
<b>March 2022</b>
<b>Week 4:</b> Jacobians, Beta and Gamma functions
<b>April 2022</b>
<b>Week 1:</b> Double and Triple integrals, Dirichlet's integrals
<b>Week 2:</b> Change of order of integration in double integrals
<b>Week 3:</b> Fourier's series: Fourier expansion of piecewise monotonic functions, Properties of Fourier Coefficients
<b>Week 4:</b> Dirichlet's conditions, Parseval's identity for Fourier series
<b>May 2022</b>
<b>Week 1:</b> Fourier series for even and odd functions, Half range series, Change of Intervals
<b>Week 2:</b> Extended Complex Plane, Stereographic projection of complex numbers.
<b>Week 3:</b> continuity and differentiability of complex functions, Analytic functions
<b>Week 4:</b> Cauchy-Riemann equations. Harmonic functions
<b>Week 5: Revision of Unit 1 and 2</b>
<b>June 2022</b>
<b>Week 1:</b> Mappings by elementary functions: Translation, rotation, Magnification and Inversion
<b>Week 2:</b> Conformal Mappings, Mobius transformations. Fixed points
<b>Week 3:</b> Cross ratio, Inverse Points and critical mappings

<b>Week4: Test &amp; Assignments ,Revision of Unit-IV</b>
<b>Week 5: Revision of entire Syllabus</b>

<b>Name of the Assistant/Associate Professor: Dr. Kusum, Dr. Ridam</b>
<b>Class and Section: B.Sc (NM),B.A. B.Sc. mathhons (4th Semester)</b>
<b>Subject: Mathematics</b>
<b>Paper: Sequence and Series</b>
<b>March 2022</b>
<b>Week 4: Boundedness of the set of Real numbers, least upper bound, greatest lower bound of the set, Examples related to l.u.b and g.l.b</b>
<b>April 2022</b>
<b>Week 1: Concepts /examples/Theorem of neighbourhoods, interior points, isolated points, limit points, open sets, closed set, interior of the set</b>
<b>Week 2: Closure of a set in real numbers and their properties. Bolzano-Weierstrass theorem</b>
<b>Week 3: Open Covers, Compact sets and Heine Borel Theorem. Revision of Unit -I</b>
<b>Week 4: Sequence: Real sequences and their convergence, theorems on limits of sequence, Bounded and monotone sequence, Cauchy's sequence</b>
<b>May 2022</b>
<b>Week 1: Cauchy's general principal of convergence, subsequences, Subsequential limits .Revision of Sequence</b>
<b>Week 2: Infinite series: Convergence and divergence of Infinite series, Comparison tests of Positive terms infinite series</b>
<b>Week 3: Cauchy's general principle of convergence of series, Convergence and divergence of G.S,Hyper Harmonic series or p-series. Revision of Infinite series</b>
<b>Week 4: Infinite series: D'Alembert's Ratio Test, Raabe's test, Logarithmic test, De-Morgan and Bertrand'test</b>
<b>Week 5: Revision of Unit 1</b>
<b>June 2022</b>
<b>Week 1: Cauchy's n th root test, Gauss test,Cauchy's Integral test, Cauchy's condensation test. Revision of Infinite Series test</b>
<b>Week 2: Alternating Series: Leibnitz's test,absolute and conditional convergence. Arbitrary Series:Abel's lemma,Abel's test,</b>
<b>Week 3: Alternating Series: Dirichlet test, Insertion and Removal of Parenthesis, Rearrangement of terms in series, Dirichlet theorem, Reimann's rearrangement theorem</b>

<b>Week4: Pringsheim's theorem (statement only), multiplication of series, Cauchy product of series (Definition and examples only), Convergence and absolute convergence of infinite products.</b>
<b>Revision of Unit-IV</b>
<b>Week 5: Test &amp; Revision of entire Syllabus</b>

<b>Name of the Assistant/Associate Professor: Shalini Nagpal/Parul Singh</b>
<b>Class and Section: B.Sc. (NM), B.A., B.Sc. Maths Hons (4th Semester)</b>
<b>Subject: Mathematics</b>
<b>Paper: Special Functions and Integral Transforms</b>
<b>March 2022</b>
<b>Week 4:</b> Series solution of differential equations: Power series method.
<b>April 2022</b>
<b>Week 1:</b> Beta and gamma functions, Bessel equation and solution, Bessel functions and their properties.
<b>Week 2:</b> Recurrence relations and Generating Functions, Orthogonality of Bessel functions.
<b>Week 3:</b> Legendre and Hermite differential equations and their solutions. Test of Unit-1.
<b>Week 4:</b> Orthogonality of Legendre and Hermite Polynomials, Rodrigues Formula for Legendre and Hermite Polynomials, Laplace integral representation of Legendre polynomial.
<b>May 2022</b>
<b>Week 1:</b> Laplace Transforms: Existence theorem, Linearity of Laplace transform, Shifting theorems, Laplace transforms of derivatives and integrals, Differentiation and integration of Laplace Transforms.
<b>Week 2:</b> Inverse Laplace Transforms: Inverse Laplace Transforms of derivatives and integrals.
<b>Week 3:</b> Use of Laplace transform in Integral equations, Convolution theorem.
<b>Week 4:</b> Solution of differential equations using Laplace transform, Test of Unit-2.
<b>Week 5:</b> Fourier Transforms: Linearity Property, Shifting, Modulation, Convolution Theorem
<b>June 2022</b>
<b>Week 1:</b> Fourier transform of derivative, Relation between fourier and laplace transform.
<b>Week 2:</b> Parseval's identity for fourier transform.
<b>Week 3:</b> Solution of differential equations using Fourier Transform.
<b>Week4:</b> Assignments and test of Unit-3 and Unit-4.

<b>Week 5: Revision of entire Syllabus.</b>
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## Lesson Plan

### Academic Session 2021-22

**Subject-Mathematics**

**Class-B.Sc Maths hons-II Sem**

**Paper:-Discrete Mathematics**

**Name:-mamta**

Week	Month
	<b>March 2022</b>
Week 4-5	Practical, Practical and introductions
	Definition of Lattices and their properties
	<b>April 2022</b>
Week 1	lattice as algebraic system
Week 2	Definition Bounded, Complement Lattice
Week 3	Theorem and example related to bounded and complement lattice
Week 4	Definition of Distributive lattice and its related theorem and example
	<b>May 2022</b>
Week 1	Test unit 1. Boolean algebra, definition and examples
Week 2	Design and implementation of digital networks
	, switching circuits, Karnaugh map.
Week 3	
	Test unit 2, Graph, definition, exemplary types of graphs
Week 4	paths and circuits. Eulerian and Hermitian circuits. Seven bridges machine,
Week 5	, shortest path traveling salesman problems. Planar graph. Matrix of graph
	<b>June 2022</b>
Week 1	Trees, Isomorphism of Trees, Representation of Algebraic Expressions by Binary Trees,
	Spanning Tree of a Directed Graph.
Week 2	Shortest Path Problem, Minimal spanning Trees, Cut Sets,
Week 3	Tree searching, test unit 3, test unit 4. Shortest Path Problem, Minimal spanning
Week 4	Trees, Cut Sets, Tree Searching Shortest Path Problem, Minimal spanning Trees, Cut
	Sets, Tree Searching
Week 5	Revision



## Lesson Plan

### Academic Session 2021-22

**Subject: Mathematics**  
**Paper: Number Theory & Trigonometry**  
**Reena, Ridam**

**Class: B. Sc /B.A. /B. Sc (Hons) II Sem**  
**Name:kusum ,sushma ,parul singh,**

	<b>Month</b>
	<b>March 2022</b>
Week4-5	De Moivre's theorem and its applications,
	<b>April 2022</b>
Week 1	Expansion of trigonometrically functions,
Week 2	Circular functions of complex variables
Week 3	Hyperbolic functions and their properties,
Week4	Logarithm of a complex quantity Doubts of Students
	<b>May 2022</b>
Week 1	Inverse circular and inverse hyperbolic functions and their properties
Week 2	Gregory's series, Summation of Trigonometry series
Week 3	Divisibility, G.C.D. (greatest common divisors), L.C.M. (least common multiple), Primes, Fundamental theorem of arithmetic.
Week 4	Linear Congruence, Linear Diophantine equations in two variables Assignment
May 5	Fermat's theorem. Wilson's theorem and its converse Problems of Students
	<b>June 2022</b>
Week 1	Chinese remainder theorem, Complete residue system and reduced residue system modulo m.
Week 2	Euler's $\phi$ -function Euler's generalization of Fermat's theorem Problems of Students
Week 3	Quadratic residues, Legendre symbols, Lemma of Gauss, Gauss reciprocity law, Assignment
Week 4 -5	Greatest integer function $[x]$ . The number of divisors and the sum of divisors of a natural number n (The functions $d(n)$ and $\sigma(n)$ ), Moebius function and Moebius inversion formula

## Lesson Plan

### Academic Session 2021-22

**Subject: Mathematics**  
**Paper: Number Theory & Trigonometry**  
**Reena, Ridam**

**Class: B. Sc /B.A. /B. Sc (Hons) II Sem**  
**Name:kusum ,sushma ,parul singh,**

	<b>Month</b>
	<b>March 2022</b>
Week4-5	De Moivre's theorem and its applications,
	<b>April 2022</b>
Week 1	Expansion of trigonometrically functions,
Week 2	Circular functions of complex variables
Week 3	Hyperbolic functions and their properties,
Week4	Logarithm of a complex quantity Doubts of Students
	<b>May 2022</b>
Week 1	Inverse circular and inverse hyperbolic functions and their properties
Week 2	Gregory's series, Summation of Trigonometry series
Week 3	Divisibility, G.C.D. (greatest common divisors), L.C.M. (least common multiple), Primes, Fundamental theorem of arithmetic.
Week 4	Linear Congruence, Linear Diophantine equations in two variables Assignment
May 5	Fermat's theorem. Wilson's theorem and its converse Problems of Students
	<b>June 2022</b>
Week 1	Chinese remainder theorem, Complete residue system and reduced residue system modulo m.
Week 2	Euler's $\phi$ -function Euler's generalization of Fermat's theorem Problems of Students
Week 3	Quadratic residues, Legendre symbols, Lemma of Gauss, Gauss reciprocity law, Assignment
Week 4 -5	Greatest integer function $[x]$ . The number of divisors and the sum of divisors of a natural number n (The functions $d(n)$ and $\sigma(n)$ ), Moebius function and Moebius inversion formula

Week	Syllabus
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Week	Syllabus
March Week 5	Inventory Control : introduction of inventory, factors affecting inventory, inventory models.
April Week 1	Deterministic models : Economic order quantity model when shortages are allowed / not allowed.
April Week 2	Price discounts model, multi-item inventory models.
April Week 3	Queuing Theory : Basic Characteristics of queuing system.
April Week 4	Birth-death equations, Steady state solution of Markovian queuing models with single and multiple servers.
May Week 1	With limited capacity (M/M/1/K and M/M/c/K).
May Week 2	Replacement Problems : Replacement of items whose running cost increases with time.
May Week 3	Replacement policies for the items that fail completely – Individual and the group replacement policies.
May Week 4	PERT and CPM : Introduction of PERT and CPM.
June Week 1	Earliest and latest times, Determination of critical path various types of floats.
June Week 2	Probabilistic and Cost consideration in project scheduling
June Week 3	<b>Sequencing problems : Processing of n jobs through 2 machines, n jobs through 3 machines.</b>
June Week 4	<b>2 jobs through m machines, n jobs through m machines</b>
June Week 5	Revision and test

### Lesson Plan Academic Session 2021-22

**Subject – Statistics**

**Class – BSc (Hons) (Sem 6<sup>th</sup>)**

**Paper – Operation Research II**

**Name – Dr. Sandeep Kumar**

April 1 <sup>st</sup> &April 2 <sup>nd</sup>	Operations Research: Definitions, Nature Objectives, Scope and Importance.
April 3 <sup>rd</sup>	Operation Research Models: Classification, Formulation, Principle of Modeling, Characteristics of a Good Model
April 4 <sup>th</sup>	Advantages & Disadvantages. Applications of Operations Research Models. Linear Programming Problem: Definitions (Including General Form)
April 5 <sup>th</sup>	Formulation (with Real Life examples) and Graphical Solution of LPP. Solution of Linear Programming Problems (LPP) by using Simplex Method.
May 1 <sup>st</sup>	Degeneracy problems and their solutions. Transportation Problem (TP): Definition Formulation of a LPP as TP. Initial Basic Feasible Solution of TP by North-West Corner Rules, Row Minima Method
May 2 <sup>nd</sup>	Column Minima Method, Matrix Minima Method (Least cost entry method) and Vogel's Approximation Method. Assignment Problem: Definition and its Solution.
May 3 <sup>rd</sup>	Statistical Quality Control: Meaning and uses of SQC, Causes of Variations in Quality, Product and Process Control, Control Charts, 3- Control Limits, Control Chart for Variables-X and R Chart
May 4 <sup>th</sup>	Criteria for Detection of Lack of Control in X & R Charts, Interpretation of X & R Charts, Control Chart for Standard Deviation ( charts), Control Charts for Attributes- p and c Charts.
May 5 <sup>th</sup> & June 1 <sup>st</sup>	Acceptance Sampling: Problem of Lot Acceptance, Stipulation of good and bad Lots, Producer's and Consumers Risks, Single and Double Sampling Plans, their OC Functions
June 2 <sup>nd</sup>	Concepts of AQL, LTPD, AOQL, Average Amount of Inspection and ASN Function, Rectifying Inspection Plans. Sampling Inspection Plans.
June 3 <sup>rd</sup>	Demand Analysis: Laws of Supply and Demand, Price Elasticity of Demand, Demand Function with Constant Price Elasticity, Partial Elasticities of Demands (Income Elasticity & Cross Elasticity)
June 4 <sup>th</sup>	Types of Data required for Estimating Elasticities, Family Budget Data Time Series Data, Leontief's and Pigous's Methods from Time Series Data to Estimate Demand Functions.
June 5 <sup>th</sup>	Engel's Law, Pareto's Law of Income Distribution, Curves of Concentration, Lorenz Curve and Gini's Coefficient.

## Lesson Plan Academic Session 2021-22

Subject - Statistics

Class: B. Sc. III (VI Sem)

Paper: - Operations Research & Statistical Quality Control

Name: Dr. Permila

## Lesson Plan

**Academic Session 2021-22**

**Subject-MATHEMATICS**

**Class : B.sc 1.**

**Sem. -2**

**Paper : LINEARALGEBRA**

**Name : NEERAJ,REENA,PARVESH**

March	
Week 5	Elementary Introduction, Vector spaces, subspaces, Sum and Direct sum of subspaces, Linear span, Linearly independent and dependent subsets of a vector space.
	<b>April</b>
Week 1	Finitely generated vector space
Week 2	Existence theorem for basis of a finitely generated vector space
Week 3	Finite dimensional vector spaces
Week 4	Linear transformations and linear forms on vector spaces, Vector space of all the linear transformations Dual Spaces, Bidual spaces. <b>(Test )</b>
	<b>May</b>
Week 1	Annihilator of subspaces of finite dimensional vector spaces, Null Space, Range space of a linear transformation, Rank and Nullity Theorem.
Week 2	Algebra of Liner Transformation, Minimal Polynomial of a linear transformation, Singular and non-singular linear transformations
Week 3	Matrix of a linear Transformation
Week 4	, Change of basis <b>(Assignment)</b>
	<b>June</b>
Week 1	Eigenvalues and Eigen vectors of linear transformations
Week 2	Inner product spaces, Cauchy-Schwarz inequality, Orthogonal vectors, Orthogonal complements
Week 3	Orthogonal sets and Basis, Bessel's inequality for finite dimensional vector spaces, Gram-Schmidt, Orthogonalization process
Week 4	Adjoint of a linear transformation and its properties, Unitary linear transformations
Week 5	<b>Tests and Assignments</b>

<b>Name of the Assistant/Associate Professor</b>	Renu Mor
<b>Class and Section</b>	BSC 3 <sup>rd</sup> year Math Honors
<b>Subject:- Method of applied Mathematics</b>	Mathematics
<b>Paper</b>	Elementary Topology

<b>March</b>	
<b>Week 4</b> Week5	Definition and examples of topological space, comparison of topology of set, intersection and union of topology of set, neighborhoods, interior point and interior of a set
<b>April</b> <b>Week 1</b> <b>Week2</b>	Closed set as a complement of a open set, Adherent point& limit point of a set, Closure of a set , Derived set, properties of a closure operator, Boundary of a set, Dense sub set,
<b>Week 3</b> <b>Week4</b>	Interior & exterior boundary operators, Alternative method of defining a topology in term of neighborhood system & Kurtowaski operator
<b>Week 5</b>	Relative induce topology, Base and sub base for a topology, Base for neighborhood system.
<b>May</b> <b>Week 1</b> <b>Week 2</b> <b>Week 3</b>	Continuous Functions, Open and closed functions, homeomorphism, connectedness and its characterization, connected subset and their properties. Continuity and connectedness, components, locally connected spaces.
<b>Week 4</b> <b>Week 5</b>	Closeness of compact subset and continuous map from a compact space into a hausdorff and its consequences , sequencilly and count ably compact sets , local compactness and one point compactification.
<b>June</b>	
<b>Week1</b>	compact spaces and subset , compactness in terms of finite intersection property , continuity and compact sets , basic property of compactness.
<b>Week 2</b>	1 <sup>st</sup> countable, 2 <sup>nd</sup> countable and separable spaces, hereditary and topological property.
<b>Week 3</b>	Count ability of a collection of disjoint open set and 2 <sup>nd</sup> countable spaces
<b>Week 4</b>	Lindelof theorem there correctrization and basic properties
<b>Week 5</b>	Revision

## Lesson Plan

Academic Session 2021-22

Subject-MATHEMATICS

Class : B.sc 1.

Sem. -2

Paper : LINEARALGEBRA

Name : NEERAJ,REENA,PARVESH

March	
Week 5	Elementary Introduction, Vector spaces, subspaces, Sum and Direct sum of subspaces, Linear span, Linearly independent and dependent subsets of a vector space.
	<b>April</b>
Week 1	Finitely generated vector space
Week 2	Existence theorem for basis of a finitely generated vector space
Week 3	Finite dimensional vector spaces
Week 4	Linear transformations and linear forms on vector spaces, Vector space of all the linear transformations Dual Spaces, Bidual spaces. <b>(Test )</b>
	<b>May</b>
Week 1	Annihilator of subspaces of finite dimensional vector spaces, Null Space, Range space of a linear transformation, Rank and Nullity Theorem.
Week 2	Algebra of Linear Transformation, Minimal Polynomial of a linear transformation, Singular and non-singular linear transformations
Week 3	Matrix of a linear Transformation
Week 4	, Change of basis <b>(Assignment)</b>
	<b>June</b>
Week 1	Eigenvalues and Eigen vectors of linear transformations
Week 2	Inner product spaces, Cauchy-Schwarz inequality, Orthogonal vectors, Orthogonal complements
Week 3	Orthogonal sets and Basis, Bessel's inequality for finite dimensional vector spaces, Gram-Schmidt, Orthogonalization process
Week 4	Adjoint of a linear transformation and its properties, Unitary linear transformations
Week 5	<b>Tests and Assignments</b>

## Lesson Plan

Academic Session 2021-22

Subject-MATHEMATICS

Class : B.sc 1.

Sem. -2

Paper : LINEARALGEBRA

Name : NEERAJ,REENA,PARVESH

March	
Week 5	Elementary Introduction, Vector spaces, subspaces, Sum and Direct sum of subspaces, Linear span, Linearly independent and dependent subsets of a vector space.
	<b>April</b>
Week 1	Finitely generated vector space
Week 2	Existence theorem for basis of a finitely generated vector space
Week 3	Finite dimensional vector spaces
Week 4	Linear transformations and linear forms on vector spaces, Vector space of all the linear transformations Dual Spaces, Bidual spaces. <b>(Test )</b>
	<b>May</b>
Week 1	Annihilator of subspaces of finite dimensional vector spaces, Null Space, Range space of a linear transformation, Rank and Nullity Theorem.
Week 2	Algebra of Linear Transformation, Minimal Polynomial of a linear transformation, Singular and non-singular linear transformations
Week 3	Matrix of a linear Transformation
Week 4	, Change of basis <b>(Assignment)</b>
	<b>June</b>
Week 1	Eigenvalues and Eigen vectors of linear transformations
Week 2	Inner product spaces, Cauchy-Schwarz inequality, Orthogonal vectors, Orthogonal complements
Week 3	Orthogonal sets and Basis, Bessel's inequality for finite dimensional vector spaces, Gram-Schmidt, Orthogonalization process
Week 4	Adjoint of a linear transformation and its properties, Unitary linear transformations
Week 5	<b>Tests and Assignments</b>

## Lesson Plan

Academic Session 2021-22

Subject-Mathematics

Class...B.Sc physics honours 4sem

Paper:-Mathematics.

Name: Dr. Preeti



	<b>Month</b>
	<b>April 2022</b>
Week 1,2	Probability distribution
Week 3	Discrete, Binomial Distribution
Week 4	Poisson Distribution
Week5	Geometric Distribution, Continuous Distribution and their problems
	<b>May 22</b>
Week1	Normal Distribution, Exponential Distribution
Week 2	Bivariate, Conditional, Marginal Distribution
Week 3	Correlation and Regression
Week 4	Weak law of large number
Week 5	Central limit theorem and their numericals
	<b>June 22</b>
Week 1	Regression for two variables and Take problem
Week 2	Definition of random sample, parameters and statistics
Week 3	Sampling Distribution, Standard Error, Mean, Variance of Random sample from normal population
Week 4	Test of significance based on T ,F, Chi Square test, take problem
Week 5	Take problem and assignment

## Lesson Plan Academic Session 2021-22

**Subject-Mathematics**

**Class.B.A/B.SC-I**

**Paper:- O.D.E**

**Name:- Dr. Parvesh Kumari & Dr. Savita Deswal**

	<b>Month</b>
	<b>March 2022</b>
4 <sup>th</sup> Week	Geometrical meaning of a differential equation. Exact differential equations, integrating factors.

	<b>April 2022</b>
1 <sup>st</sup> Week	First order higher degree equations solvable for x,y,p Lagrange's equations Test,
2 <sup>nd</sup> Week	Clairaut's equations. Equation reducible to Clairaut's form. Singular solutions.
3 <sup>rd</sup> Week	Orthogonal trajectories: in Cartesian coordinates and polar coordinates. Self orthogonal family of curves
4 <sup>th</sup> Week	Linear differential equations with constant coefficients. Assignment 1
	<b>May 2022</b>
1 <sup>st</sup> Week	Test 1, Homogeneous linear ordinary differential equations.
2 <sup>nd</sup> Week	Equations reducible to homogeneous linear ordinary differential equations, Equations reducible to homogeneous linear ordinary differential equations
3 <sup>rd</sup> Week	Linear differential equations of second order: Reduction to normal form
4 <sup>th</sup> Week	Transformation of the equation by changing the dependent variable/ the independent variable. Solution by operators of non-homogeneous linear differential equations. Assignment 2
	<b>June 2022</b>
1 <sup>st</sup> Week	Test 2, Reduction of order of a differential equation. Method of variations of parameters. Method of undetermined coefficients.
2 <sup>nd</sup> Week	Ordinary simultaneous differential equations. Solution of simultaneous differential equations involving operators $x (d/dx)$ or $t (d/dt)$ etc.
3 <sup>rd</sup> Week	Simultaneous equation of the form $dx/P = dy/Q = dz/R$ . Total differential equations. Condition for $Pdx + Qdy + Rdz = 0$ to be exact. General method of solving $Pdx + Qdy + Rdz = 0$ by taking one variable constant. Method of auxiliary equations.
4 <sup>th</sup> Week	Revision

## Lesson Plan

### Academic Session 2021-22

**Subject-Mathematics**

**Class-B.A/B.SC/B.SC Maths Hons-IV sum**

**Paper:- Programming in c & numerical methods**

**Name:Sushma/ridham/Savita Deswal/**

Week	Month
	<b>March</b>
Week4-5	Programmer's model of a computer Algorithms,Flow charts,
	<b>April 2022</b>
Week 1	Data types, Operators and expressions
Week 2	Input / outputs functions
Week 3	Decisions control structure: Decision statements, Logical and conditional statements
Week 4	Implementation of Loops, Switch Statement & Case control structures Functions, Preprocessors and Arrays.
	<b>May 2022</b>
Week 1	Strings: Character Data Type, Standard String handling Functions Arithmetic Operations on Characters. Structures:
Week 2	Definition, using Structures ,Use of Structures in Arrays and Arrays in Structures.
Week 3	Pointers: Pointers Data type, Pointers and Arrays, Pointers and Functions.
Week4-5	Solution of Algebraic and Transcendental equations: Bisection method, Regula-Falsi method, Secant method, Newton-Raphson's method. Newton's iterative method for finding pth root of a number, Order of convergence of above methods.
	<b>June 2022</b>
Week 1	Simultaneous linear algebraic equations: Gauss-elimination method,
Week 2	Gauss-Jordan method, Triangularization method (LU decomposition method).
Week 3	Crout's method, Cholesky Decomposition method. Iterative method
Week 4	Jacobi's method, Gauss-Seidal's method, Relaxation method
Week 5	Test and Assignment

Name of the Assistant/Associate Professor:Sarita,Babita,Dr.Neeraj
Class and Section:B.A(Sem 2)
Subject: Mathematics
Paper:Vector Calculus
March
Week 4

Multiple products of vectors,, differentiation of vectors
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April
Week 1 reciprocal vectors :scalars and vector point function, derivatives along curve Directional derivatives Class test Class test
Week 2Gradient of scalar point function Examples Problem discussion Test
Week 3Divergence of vector point function
Week 4Curl of vector point function sums and product and their related vector identify Problem discussion test
May
Week 1 Laplacian operatorVector integration Numericals, Problems Test
Week 2Vector integrationProblems of line integral Presentations
Week 3Unit -4Surface integral and volume integral
Week- 4 Gauss and Green theorem
Week -5- Stoke thorem Assignment based on unit 4 Test Problem discussion
June
Week 1
Unit 3 ;Orthogonal curvilinear coordinates
Week 2
Condition for orthogonality, fundamental triad of mutually orthogonal unit vectors presentation test
Week 3

Gradient, divergence ,curl and laplacian operator in term of curvilinear coordinates spherical and cylindrical coordinates. Problem discussion Revision
Week 4 onwards
Unit wise test Revision Exams

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June) 2021-22

Teacher: Deepanjali Dayal & Class- BA-1 Painting section- A & B

Dr. Kiran Bala

Sr. No.	Week	Lesson Plan
1.	21.3.22 to 26.3.22	Drawing and coloring of first design.
2.	28.3.22 to 2.4.22	Coloring of first design.
3.	4.4.22 to 9.4.22	Coloring of second design.
4.	11.4.22 to 16.4.22	Coloring of second design.
5.	18.4.22 to 23.4.22	Drawing of third design.
6.	25.4.22 to 30.4.22	Drawing & Coloring of third design.
7.	2.5.22 to 7.5.22	Drawing & Coloring of third design.
8.	9.5.22 to 14.5.22	Drawing of fourth design.
9.	16.5.22 to 21.5.22	Coloring of fourth design.
10.	23.5.22 to 28.5.22	Landscape- 1

11.	30.5.22 to 4.6.22	Landscape -2
12.	6.6.22 to 11.6.22	Landscape -3
13.	13.6.22 to 18.6.22	Landscape -4
14.	20.6.22 to 25.6.22	Complete all pending work
15.	27.6.22 to 30.6.22	Complete all pending work

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June)2021-22

Teacher: Deepanjali Dayal & Class- BA-1 Applied section- A & B

Dr. Kiran Bala

<b>Sr. No.</b>	<b>Week</b>	<b>Lesson Plan</b>
1.	21.3.22 to 26.3.22	Sketching
2.	28.3.22 to 2.4.22	Drawing of first monogram
3.	4.4.22 to 9.4.22	Coloring of first monogram
4.	11.4.22 to 16.4.22	Drawing of second monogram
5.	18.4.22 to 23.4.22	Drawing and coloring of third monogram
6.	25.4.22 to 30.4.22	Drawing and coloring of fourth monogram
7.	2.5.22 to 7.5.22	Sketching and drawing of first layout
8.	9.5.22 to 14.5.22	Coloring of first layout
9.	16.5.22 to 21.5.22	Drawing of second layout

10.	23.5.22 to 28.5.22	Coloring of second layout
11.	30.5.22 to 4.6.22	Drawing of third layout
12.	6.6.22 to 11.6.22	Coloring of third layout
13.	13.6.22 to 18.6.22	Drawing of fourth layout
14.	20.6.22 to 25.6.22	Coloring of fourth layout
15.	27.6.22 to 30.6.22	Complete all pending work

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June)2021-22

Teacher: Deepanjali Dayal      Class- BA-3Applied section- A & B

Sr. No.	Week	Lesson Plan
1.	21.3.22 to 26.3.22	Sketching
2.	28.3.22 to 2.4.22	Drawing of first poster
3.	4.4.22 to 9.4.22	Coloring of first poster
4.	11.4.22 to 16.4.22	Coloring of first poster
5.	18.4.22 to 23.4.22	Drawing of second poster
6.	25.4.22 to 30.4.22	Coloring of second poster
7.	2.5.22 to 7.5.22	Drawing of third poster
8.	9.5.22 to 14.5.22	Coloring of third poster
9.	16.5.22 to 21.5.22	Drawing of fourth poster

10.	23.5.22 to 28.5.22	Coloring of fourth poster
11.	30.5.22 to 4.6.22	Photography
12.	6.6.22 to 11.6.22	Photography
13.	13.6.22 to 18.6.22	Photography
14.	20.6.22 to 25.6.22	Photography
15.	27.6.22 to 30.6.22	Complete all pending work

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June) 2021-22

Teacher: Deepanjali Dayal      Class- BA-3Painting section- A & B

Sr. No.	Week	Lesson Plan
1.	21.3.22 to 26.3.22	Sketching
2.	28.3.22 to 2.4.22	Drawing of first poster
3.	4.4.22 to 9.4.22	Coloring of first poster
4.	11.4.22 to 16.4.22	Drawing & Coloring of second poster
5.	18.4.22 to 23.4.22	Drawing & Coloring of third poster
6.	25.4.22 to 30.4.22	Drawing & Coloring of fourth poster
7.	2.5.22 to 7.5.22	Life study- 1



8.	9.5.22 to 14.5.22	Life study- 1
9.	16.5.22 to 21.5.22	Life study-2
10.	23.5.22 to 28.5.22	Life study-2
11.	30.5.22 to 4.6.22	Life study- 3
12.	6.6.22 to 11.6.22	Life study- 3
13.	13.6.22 to 18.6.22	Life study- 4
14.	20.6.22 to 25.6.22	Life study- 4
15.	27.6.22 to 30.6.22	Complete all pending work

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June)2021-22

Teacher: Dr. Kiran Bala      Class- BA-2Painting section- A & B

Sr. No.	Week	Lesson Plan
1.	21.3.22 to 26.3.22	Sketching
2.	28.3.22 to 2.4.22	Drawing of Composition 1
3.	4.4.22 to 9.4.22	Coloring of first Composition 1
4.	11.4.22 to 16.4.22	Drawing of Composition 2
5.	18.4.22 to 23.4.22	Coloring of first Composition 2

6.	25.4.22 to 30.4.22	Drawing of Composition 3
7.	2.5.22 to 7.5.22	Coloring of first Composition 3
8.	9.5.22 to 14.5.22	Drawing & Coloring of Composition 4
9.	16.5.22 to 21.5.22	Poster- 1
10.	23.5.22 to 28.5.22	Poster- 1
11.	30.5.22 to 4.6.22	Poster- 2
12.	6.6.22 to 11.6.22	Poster- 3
13.	13.6.22 to 18.6.22	Poster- 4
14.	20.6.22 to 25.6.22	Poster- 4
15.	27.6.22 to 30.6.22	Complete all pending work

## Dept. of Fine Arts

Lesson plan for Even semester (March, April, May, June)2021-22

Teacher: Dr. Kiran Bala      Class- BA-2Applied section- A & B

Sr. No.	Week	Lesson Plan
1.	21.3.22 to 26.3.22	Sketching
2.	28.3.22 to 2.4.22	Drawing of first poster
3.	4.4.22 to 9.4.22	Coloring of first poster
4.	11.4.22 to 16.4.22	Drawing of second poster
5.	18.4.22 to 23.4.22	Coloring of second poster

6.	25.4.22 to 30.4.22	Drawing and coloring of third poster
7.	2.5.22 to 7.5.22	Drawing and coloring of fourth poster
8.	9.5.22 to 14.5.22	Drawing and coloring of layout first.
9.	16.5.22 to 21.5.22	Drawing and coloring of layout first.
10.	23.5.22 to 28.5.22	Drawing and coloring of layout second
11.	30.5.22 to 4.6.22	Drawing and coloring of layout second
12.	6.6.22 to 11.6.22	Drawing and coloring of layout third
13.	13.6.22 to 18.6.22	Drawing and coloring of layout fourth
14.	20.6.22 to 25.6.22	Drawing and coloring of layout fourth
15.	27.6.22 to 30.6.22	Complete all pending work

## **BA 1 English (SEMESTER 2)**

**Assistant/Associate Professor: Ms. Niti Ahlawat,, Ms. Surajmukhi, Ms. Deeksha, Ms. Sonu, Ms. Sushma, Ms. Sumit**

### **March**

Week 1 : Introduction to the Syllabus,

Reading and Analysis of Ch-1 Text “Pigeons at Daybreak”

Textual Exercise and Extended Grammar

Week 2 : Reading and Analysis of Ch-2 Text “With the Photographer”

Textual Exercise and Extended grammar

Week 3 : Holi Break

Week 4 : Reading and Analysis of Ch-3 Text “The Journey”

Textual Exercise and Extended Grammar

Week 5: Reading and Analysis of Ch-4 Text “The Refugee”

## **April**

Week 1: Reading and Analysis of Ch-4 Text “The Refugee”

Textual Exercise and Extended Grammar

Week 2: Reading and Analysis of Ch-5 Text “Bellows for the Bullock”

Textual Exercise and Extended Grammar

Week 3: Reading and Analysis of Ch-5 Text “Bellows for the Bullock”

Week 4: Textual Exercise and Extended Grammar

## **May**

Week 1: Reading and Analysis of Ch-6 “Panchlight”

Week 2: Reading and analysis of Ch-6 “Panchlight”

Week 3: Textual Exercise and Extended Grammar

Week 4: Reading and Analysis of Ch-7 “The Child”

Textual Exercise and Extended Grammar

## **June**

Week 1: Reading and Analysis of Ch-7 “The Child”

Textual Exercise and Extended Grammar

Week 2: Reading and Analysis of Ch-8 “The Blind Dog”

Week 3: Assignment 1 and 2

Week 4: Revision of whole syllabus

Week 5: problem taking sessions and test

## **BA II PASS COURSE (SEMESTER 4)**

**Teachers: Mrs. Savita Thakran, Dr Renu, Dr. Kiran Sharma, Mrs. Abhilasaha Rohilla, Mrs. Jyoti Hooda, Mrs Minakshi, Ms. Meenu and Mrs. Tamanna**

<b>Weeks</b>	<b>Months</b>	<b>TOPIC</b>
<b>1</b>	<b>March 2022</b>	Spoken English

2		Play 1 : The Envoy (Complete Explanation) continue
3		<b>Holi Break</b>
4		Play 1 : The Envoy (Complete Explanation) & Exercise
5		Play 2 : The Swan Song (Complete Explanation) continue
1	<b>April 2022</b>	Play 2 : The Swan Song (Complete Explanation) & Exercise...
2		Play 3 : The Monkey's Paw (Complete Explanation) continue...
3		Play 3 : The Monkey's Paw (Complete Explanation) continue...
4		Play 3 : The Monkey's Paw (Complete Explanation) & Exercise
1	<b>May 2022</b>	Play 4 : Before Breakfast (Complete Explanation) continue...
2		Play 4 : Before Breakfast (Complete Explanation) & Exercise
3		Play 5 : Sleep Walkers (Complete Explanation) continue...
4		Play 5 : Sleep Walkers (Complete Explanation) continue...
1	<b>June 2022</b>	Play 5 : Sleep Walkers (Complete Explanation) & Exercise
2		Practice of Translation & E-mail Writing
3		Practice of Translation & E-mail Writing
4		Practice of Precis Writing & Paragraph Writing
5		Revision

## **BA III PASS COURSE (SEMESTER 6)**

**Book Prescribed: Interpreting a Play: The Merchant of Venice and Developing Composition Skill**

**Teachers: Dr. Kiran Sharma, Ms. Abhilasha Rohilla, Dr. Surajmukhi Yadav, Ms. Meenu, Ms. Sumit,**

**Ms. Tamanna**

<b>Week</b>	<b>Topics Covered</b>
<b>March</b> Week 1	Introduction to Drama
Week 2	Introduction to Drama Brief summary of the play
Week 3	Holi Break
Week 4	Reading and interpretation of Act 1 Scene 1,2
Week 5	Reading and interpretation of Act 1 Scene 3
<b>April</b> Week 1	Reading and interpretation of Act 2 Scene 1,2
Week 2	Reading and interpretation of Act 2 Scene 3,4
Week 3	Reading and interpretation of Act 2 Scene 5,6
Week 4	Reading and interpretation of Act 2 Scene 7,8,9, <b>Test</b>
<b>May</b> Week 1	Reading and interpretation of Act 3 Scene 1,2
Week 2	Reading and interpretation of Act 3 Scene 3,4,5
Week 3	Reading and interpretation of Act 4 Scene 1
Week 4	Reading and interpretation of Act 4 Scene 2, Act 4 Scene 1
<b>June</b> Week 1	Reading and interpretation of Act 5 Scene 1, Discussion of Question Answers
Week 2	<b>Test</b>
Week 3	Learning to write precis, summary and abstract
Week 4	Practice of one word substitution and official letter writing
Week 5	Practice of comprehension of unseen passage, Submission of <b>assignments</b>

## BA I ENGLISH HONS (SEMESTER 2)

**Paper :** Introduction to Drama and Related Literary Terms

**Teacher :** Mrs. Savita Thakran

S.No.	Week	Topic
1	March Week 1	Introduction to Drama and Other Literary Terms
2	Week 2	Introduction to Life and Works of Anton Chekov,
3	Week 3	Holi Break
4	Week 4	Dramatis Personae and story outline of the play <b>The Marriage Proposal</b>
5	Week 5	Analysis of <b>The Marriage Proposal</b> (contd.)
6	April Week 1	<b>The Marriage Proposal</b> (contd.)
7	Week 2	Introduction to Life and Works of Rabindranath Tagore Story outline and Dramatis Personae of the play <b>The Post Office</b>
8	Week 3	
9	Week 4	Explanation and Analysis of <b>The Post Office</b>
10	May Week 1	<b>The Post Office</b> (contd.) Introduction to Life and Plays of <b>William Shakespeare</b>
11	Week 2	Dramatis Personae and Story outline of the play <b>The Merchant of Venice</b>
12	Week 3	Explanation and Critical Analysis of the play <b>The Merchant of Venice</b>
13	Week 4	<b>The Merchant of Venice</b> (contd.)
14	June Week 1	<b>The Merchant of Venice</b> (contd.)
15	Week 2	Discussion on important topics on the play <b>The Merchant of Venice</b>
16	Week 3	Discussion on L.A.Q. and S.A.Q
17	Week 4	Assignments 1& 2
18	Week 5	Presentations

(Paper- VII Introduction to Prose) Teacher Name: Renu BA I ENGLISH HONS SEMESTER 2

**Week Month Topics**

1 March Of Revenge and Introduction to Prose

- 2 March On Dreams
- 3 March On Dreams continued
- 4 March Sir Roger in Westminster Abbey
- 5 March Revision of above essays
- 1 April Dignity and Uses of Biography
- 2 April Dignity and Uses of Biography continued and discussion on it
- 3 April On National Prejudices
- 4 April Precis Writing
- 1 May From Evolution and Ethics
- 2 May From Evolution and Ethics continued
- 3 May Discussion on Critical Appreciation of a passage
- 4 May Columbus and Crusoe
- 1 June On being Modern Minded
- 2 June The Death of The Moth
- 3 June Meditation on The Moon
- 4 June Presentations and Assignments
- 5 June Presentations

**Class: BA I (English Hon's) 2<sup>nd</sup>**  
**Semester Paper:Essentials of**  
**Communication skills Teacher:Dr.**  
**SurajmukhiYadav**

<b>Week s</b>	<b>Month</b>	<b>Topic</b>
<b>1</b>	<b>March</b>  <b>Unit1</b>	Introduction of Nature of Objectives of Communication



2		Applications of process of Communication skills
3		Holi Break
4		Principles of Effective communication
5		Continued with practice
1	<b>April</b>	Introduction of Barriers in Communication
2		Exercise
3		Continued with practice
4	<b>Unit2</b>	<b>Common Errors</b>
1	<b>May</b>	Continued with practice
2		Continued with practice
3		Foreign words
4	<b>Unit 3</b>	Basic Understanding of role of information technology and media
1	<b>June</b>	Continued with practice
2		Continued with practice
3	<b>Unit 4</b>	Communication in English in different situations
4		Continued with practice
5		Revision and assignment of all four units

**BAII ENGLISH HONS (SEMESTER 4)**

**Name of lecturer- Ms Sumit**

**Class BA II English Hons Semester IV, SESSION-2021-22**

**Subject: English Novel (1660-1798), course-xix, code- EN 14**

**Lesson Plan: March-June**

<b>March (Week 1)</b> Novel- Oroonoko
Introduction to the Age and the author
<b>Week 2</b> Discussion on the Summary , themes and characters of the Text Text & Critical Evaluation (page 1-15)
<b>Week 3</b> Holi break
<b>Week 4</b> Text reading & Critical Evaluation (page 16-40) Discussion on S.A.Q
<b>Week 5</b> Text reading & critical evaluation (page41-65) Discussion on S.A.Q. and L.A.Q.
<b>April Week 1</b> Novel- Shamella
Introduction to the author, summary , themes and characters Text reading and critical evaluation (page310-325) Discussion on S.A.Q.
<b>Week 2</b> Text reading and critical evaluation (page 326-343) Discussion on S.A.Q. and L.A.Q
<b>Week 3</b> Novel –Moll Flanders Introduction to the author, summary, themes and characters
<b>Week 4</b> Reading and analysis of selected text (page1- 50)
<b>MAY Week 1</b> Reading and analysis of selected text (page 51-100) Discussion on S. A.Q.
<b>Week 2</b> Reading and analysis of selected text (page 101-150) Discussion on S.A.Q.
<b>Week 3</b> Reading and analysis of selected text (page 101-150)
<b>Week 4</b> Discussion on S.A.Q.

<b>June Week 1</b>	Reading and analysis of selected text (page 151-200)
<b>Week 2</b>	Reading and analysis of selected text (page 201-250)
<b>Week 3</b>	Reading and analysis of selected text (page 251-266)
<b>Week 4</b>	Problem taking sessions and test
<b>Week 5</b>	Presentations and assignments

**Class: BAII (English Hons.) Sem IV**  
**Assistant Professor: NITI AHLAWAT**

**Paper English Drama and Prose (1660-1798)**

WEEKS	MONTHS	Topics Covered
1	March	Introduction to The Spectator Richard Steel and Joseph Addison
2		No1 (1March 1711)
3		Holi Break
4		No2 (2 March 1711)
5		No 10(12 March 1711)
1	April	No39(14 April 1711)
2		No40 (16 April 1711)
3		No 42 (18 April 1711)
4		No 68 (18 May 1711)
1	May	No 82 (04 June 1711)
2		No144(15 August 1711)
3		Love for love by William Congreve
4		Love for love
1	June	Love for love
2		The school of scandal
3		The school for scandal

4		The school for scandal
5		Revision

## **LESSON PLAN FOR SEM 4TH (HISTORY OF ENGLISH LITERATURE)**

**B.A. 2 ND ENGLISH HONS.**

**Ms. SUSHMA**

**Week 1 (March)** -Introduction to the Augustan Age (1660-1800)

Restoration Period (1660-1700), Political & Social Background

**Week 2** – Restoration period or The Age of Dryden: Poetry

**Week 3** - Restoration Drama: Tragedy and Comedy

Authors: Etherge, Wycherley, Congreve, Vanbrugh, Farquher

**Week 4** - Restoration Prose-The Royal Society and the new prose style: Dryden, Temple, Tilloston, Bunyan-The Pilgrim's Progress

**Week 5**-The Eighteenth Century & Historical and Political Background

**-(April) Week 1** - Queen Anne Prose: Defoe-journalism, Fiction -Swift, Steel and Addison-The Tatler and The Spectator

**Week 2** -The Age of Pope: Poetry

**Week 3** -The Age of Johnson: Poetry, Review of Medieval literature

**Week 4** —The Eighteenth Century Novel: Richardson, Fielding, Smollet, Sterne, Mrs. Ann Radcliffe

**(May) Week 1** -Picaresque Novel in English Literature

**Week 2**- Gothic Novel and Its Practitioners

**Week 3** -The Eighteenth-century Drama -Sentimental Comedy and Anti-Sentimental Comedy.

**Week 4** -The Age of Johnson: Context and Historical Events

**(June)Week 1** – Age of Johnson: Prose (Essay), History on the grand scale-Hume, Robertson, Gibbon

**Week 2** – Women Novelist of Eighteenth Century and their contribution to the England novel.

**Week 3** - Revision

**Week 4** - Revision & Test

**Week 5** – Discussion on problems and Submission of Assignments

**Class BA II English Hons. Sem -IV[Even Sem.]**

**Paper - English Poetry(1660-1798)XVII**

**Teacher Name: Dr.Jyoti Hooda**

Week	Month	Topics
1	March	Introduction to Neoclassical Period,Restoration age
2	March	Poetry in Restoration age
3	March	Unit-1- Poem- John Dryden's Mac Flecknoe
4	March	Poem-Mac Flecknoe
5	March	John Dryden's Poem- A Song for Cecilia's Day
1	April	Poem- A Song for Cecilia's Day
2	April	Unit-II - Introduction to the poet Alexander Pope
3	April	Alexander Pope's Poem- Essay on Man (extracts) Epistle 2
4	April	Poem - Essay on Man (extracts) Epistle 2
1	May	Group discussion and presentations
2	May	Unit-III -Charlotte Smith's Sonnet: To A Nightingale

3	May	Charlotte Smith's -Sonnet: To Solitude
4	May	Mary Robinson's poem – Life
1	June	Sarah Dixon's poem- The Return'd Heart
2	June	Mary Montagu's poem - The Lover, A Ballad
3	June	Mary Leapor's poem - An Epistle To A Lady
4	June	Presentations and assignment, Revision
5	June	Discussion, critical appreciation and doubts clearing

### **BA III ENGLISH HONS (SEMESTER 6)**

**Academic Session: 2021-22**

**Subject: English**

**Class: BAIII (English Hons.) Sem VI**

**Paper: English Drama**

**Assistant Professor: MS ABHILASHA**

WEEKS	MONTHS	Topics
1	March	Introduction of English Drama, Historical, Political, literary, Thematic Aspects with examples.
2		1) Concept and Definition of Modern Drama, Theatre of Absurd, Modern Play 2) Introduction of John Osborne's 'Look back in anger' with contemporary Literary features and characters. 3) Textual Interpretation of Act 1 with Literary devices 4) Textual Interpretation of Act 2 with literary devices
3		Holi Vacations
4		1) Act 3 textual and critical explanation 2) Symbolism, Significance of title, Thematic Aspects will be discussed from Exam Point of View
5		1) Introduction to T. S. Eliot as Modern Playwright, Poet and critic with reference to Contemporary Scenario 2) Discussion on Thematic Aspects of the play; Musical, Historical, Modern Play.

1	April	3) Textual interpretation of the play with characters 4) Textual Critical Interpretation with literary devices 1) Critical Textual Interpretation with religious, Mythological references
2		2) Acknowledging students to textual and critics' citation 3) Examination questions will be discussed
3		1) Discussion on previous year question papers 2) Motivate the students to get help from Internet Access to update themselves for prescribed syllabus
4		1) Introduction to the last prescribed text: ST. JOHN by Dr. G. B. Shaw 2) Introduction to the contemporary scenario of text to the students 3) Acknowledgment of the characters and literary devices
1	May	4) Textual Interpretation with thematic aspects 1) Textual interpretation with literary devices 2) Text will be continued with thematic aspects
2		3) Concepts of French Revolution and Feudalism, Law of Liberty, Equality and Fraternity 1) Acknowledgement of quotations; Textual and Critical 2) Relevance of quotations citations in exams.
3		3) Questions from examination point of view will be discussed 1) Completion of texts
4		2) Doubts will be cleared of students 3) Key points will be discussed for effective Answers in exams.
1	June	1) Revision Of all the texts from exam point of view. 2) Guidance for preparation of assignments
2		Discussion on Problems
3		Revision
4		Revision
5		Tests, Submission of Assignments

**Class: BAIII (English Hons.) Sem VI**

**Paper: Poetry**

**Associate Professor: Dr. Kiran Sharma**

S. No.	WEEK	Topics
1	March	Defining Poetry, detailed description of W. B. Yeats and his age.
2	March	Discussion on major themes and works. Summary and explanation of "Sailing to Byzantium".
3	March	Holi Break
4	March	Detailed summary and explanation of "Easter 1916" and "The Second Coming".
5	March	Detailed summary and explanation of "Among School Children" and discussion on questions based on W. B. Yeats and prescribed poems.
1	April	Introduction of Philip Larkin and his works. Discussion on Postmodernism and The Movement Poetry.
2	April	Summary and explanation of "Ambulances".
3	April	Summary and explanation of "Church Going", "MCMXIV" and "The Explosion".
4	April	Discussion on questions based on Philip Larkin and his prescribed poems.
1	May	Introduction of W. H. Auden and his works. Discussion on war poets, themes and war imagery used in their poems
2	May	Detailed summary and explanation of "Lullaby" and "As I walked Out one Evening".
3	May	Detailed summary and explanation of "The Shield of Achilles" and "The Unknown Citizen".
4	May	Discussion on questions based on W. H. Auden.
1	June	Test, Submission of Assignments
2	June	Revision
3	June	Test and assignment
4	June	Revision
5	June	Revision



**Class: BAIII (English Hons.) Sem VI**

**Paper: History of English Literature 1914-1968**

**Assistant Professor: Ms. Meenu**

S. No.	Week	Topics Covered
1	March	Socio- Historical and Intellectual Background to 20 <sup>th</sup> century
2	March	Early 20 <sup>th</sup> C. Poetry
3	March	Holi Break
4	March	War Poets
5	March	Poets of 1930s
1	April	Poetry after 30s
2	April	Early 20 <sup>th</sup> C. Novel, Test of Poetry
3	April	Early 20 <sup>th</sup> C. Novel
4	April	Novel after 1950
1	May	Novel after 1950
2	May	Early 20 <sup>th</sup> Drama, Test of Novel
3	May	Irish Theatre
4	May	Absurd Drama
1	June	Modern Short Story
2	June	Non detailed study
3	June	Sub. of Assignments, Test of drama + presentations by students
4	June	Presentations
5	June	Revision

Name: **Deeksha**

Class: **BA III ENGLISH HONS Sem: VI**

Subject: **English**

Paper: **English Novel**

<b>WEEKS</b>	<b>MONTHS</b>	<b>TOPICS</b>
<b>1</b>	March	A Passage to India by E.M Forster
<b>2</b>	March	Colonial, Post-Colonial novel, Political, Cultural etc.. Characterization, background of Novel etc. Places, plot Structure
<b>3</b>	March	Holi Break
<b>4</b>	March	Chapter 1-6 (Textual and Critical)
<b>5</b>	March	Chapter 7- 17 (Textual and Critical Analysis) Chapter 18-28 (Textual and Critical Analysis)
<b>1</b>	April	Chapter 29- 37 (Textual and Critical Analysis) Discussion on Textual Quotes & Critical Comments by Critics
<b>2</b>	April	1984 by George Orwell Introduction to author & Book
<b>3</b>	April	Thematic aspects, symbols, contemporary literary scenario Critical analysis and discussion on part I of the text.
<b>4</b>	April	Critical analysis and discussion on part II of the text
<b>1</b>	May	Critical analysis and discussion on part III of the text
<b>2</b>	May	<i>The Heart of the Matter</i> by Graham Greene Introduction to author & book
<b>3</b>	May	Thematic aspects, symbols, contemporary literary scenario Critical analysis and discussion on part I of the text.
<b>4</b>	May	Critical analysis and discussion on part II of the text
<b>1</b>	June	Critical analysis and discussion on part III of the text
<b>2</b>	June	Revision and Presentations on <i>A Passage to India</i>
<b>3</b>	June	Revision and Presentations on <i>1984</i>
<b>4</b>	June	Revision and Presentations on <i>The Heart of the Matter</i>
<b>5</b>	June	Tests and Submission of Assignments

## **BSC I PASS COURSE (MED-NON MED) SEMESTER 2**

**Lesson Plan: BSc Medical/Non-Medical      Session: 2021-2022 (sem 2)**

**Book: Ideas Aglow ed. By Dinesh Kumar & V.B Abrol**

**Teachers: Mrs. Jyotooda, Mrs. Minakshi, Mrs. Sushma & Mrs. Sonu**

Week	Month	Topic
1	March 22	Chapter 1 : Our Civilization (explanation)
2	March 22	Discussion of exercise (chapter 1)
3	March 22	Chapter 2 : It's Question Time (Explanation)
4	March 22	Discussion of exercise (chapter 2)
5	March 22	Chapter 3 : An interview with Christian Barnard (Explanation)
1	April 22	Discussion of exercise (chapter 3)
2	April 22	Chapter 4 : Untouchability and Cast System (Explanation)
3	April 22	Discussion of exercise (chapter 4)
4	April 22	Chapter 5 :Inhumanisation of War (Explanation)
1	May 22	Discussion of exercise (chapter 5)
2	May 22	Chapter 6 : Seven Types of Gender Inequality (Explanation)
3	May 22	Chapter 6 : Seven Types of Gender Inequality (Explanation)
4	May 22	Discussion on exercise (chapter 6)
1	June 22	Practice Precis Writing
2	June 22	Practice Official Letter Writing
3	June 22	Practice Translation from English to Hindi
4	June 22	Revision of full Syllabus
5	June 22	Revision of full Syllabus

# **Weekly Lesson Plan for English for B.Sc. Physics Hons. 1<sup>st</sup> Year**

## **(2nd Sem.)**

**Mrs. Sushma**

**Week 1 – March** – Introduction CH-1 Text “The Bet” suggested short & long Q&A

**Week 2** - CH-1 Text “The Bet” suggested short & long Q&A

**Week 3** – Chapter 2 “The gift of the Magi”, Reference to the Context, Short & Long (Q/A)

**Week 4**– Chapter 3 “The Postmaster” Text & Exercise

**Week 5** – Chapter 4 “Three Questions” Text & Exercise

**Week 1 – April** – Chapter 5 “The Dying Detective” Text & Exercise

**Week 2** – Chapter 6 “Under the Banyan Tree” Text & Exercise

**Week 3** – Grammar – Synonyms , Antonyms & Test of Ch-1

**Week 4** – Prefix – Suffix, Homophones and homonyms

**Week 1 – May** – One word substitution, Theme based paragraphs

**Week 2** – Email Writing, Reporting

**Week 3** – Reviewing TV Programs & Test

**Week 4**– Resume Writing

**Week 1- June** - Parts of Speech

**Week 2** - Essential of Reporting

Week 3- discussion on Parts of Speech

Week 4 - Revision

Week 5 – Revision

## **B.SC. I Sem II (Home Science)**

Assistant Professor: **Dr.Minakshi**

Week	Month	Topics Covered
1	March Week 1	Introduction to the syllabus, CH-1 Text “The Bet”, Suggested short & long Q/A
2	Week 2	Chapter 2 Text “The gift of the Magi”, Suggested short & long Q/A
3	Week 3	Holi Vacations
4	Week 4	Chapter 3 Text “Three Questions”, Suggested short & long Q/A
5	Week 5	Revision of Chapter 1,2 & 3
1	April Week 1	Chapter 4 Text “Under the Banyan Tree”, Suggested short & long Q/A
2	Week 2	Grammar – Synonyms , Antonyms
3	Week 3	Prefix – Suffix, Homophones and homonyms
4	Week 4	One word substitution, Theme based paragraphs
1	May Week 1	Email Writing, Reporting, Resume writing
2	Week 2	Reviewing TV Programs
3	Week 3	Revision
4	Week 4	Test & Assignment Submission
1	June Week 1	Revision
2	Week 2	Revision
3	Week 3	Revision
4	Week 4	Test & Assignment Submission
5	Week 5	Discussion on important questions

## BA I QUALIFYING PAPER SEMESTER II

### LESSON PLAN FOR B.A 1<sup>ST</sup> QUALIFYING

COMMON FOR ARTS HONS. (PSY, HIN, SKT)

Max marks - 80

Short Stories

Dr. Tamanna

The Pointed Vision

(English Dept.)

Week	Month	Topic
1.	March Week 1	"The Bet" by Anton Chekhov, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
2.	Week 2	"Gift Of The Magi" by O Henry, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
3	Week 3	"The Postmaster" by Rabindranath Tagore, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
4	Week 4	"Three Questions" by Leo Tolstoy, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
5	Week 5	"Three Dying Detective" by Arthur Canan Doyle, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
1	April Week 1	"Under The Banyan Tree" by RK Narayan, Introduction of the writer and story. Explained Chapters and discussed Questions answers.
2	Week 2	Grammar and Writing Skills Practice of Antonyms and Synonyms. Prefix and Suffix
3	Week 3	Explained and practice of One Word Substitution

4	Week 4	Explanation and practice of Homophones and Homonyms
1	May Week 1	Developing technical writing skills, Technical writing - Email writing, Report writing,
2	Week 2	Resume writing
3	Week 3	Revision of the story "The Bet" Revision of Question answers. Test of the story.
4	Week 4	Revision of the story "Gift of the Magi" Revision of Question answers. Group Discussion
1	June Week 1	Revision of "The Postmaster". Revision of Question answers. Test of the story.
2	Week 2	Revision of the story "Three Questions" Revision of Question answers. Test of the story. Group Discussion
3	Week 3	Revision of the story "Three Dying Detective" Revision of Question answers. Test of the story
4	Week 4	Revision of "Under The Banyan Tree". Revision of Question answers. Group Discussion
5	Week 5	Revision of Grammar, Group Discussion

## **B.SC. 1 MATHS HONS, (SECOND SEM) Qualifying Paper**

**SUBJECT – ENGLISH**

**TEACHER – DEEKSHA**

<b>Week</b>	<b>Month</b>	<b>Topic</b>
1.	March Week 1	“The Bet” by Anton Chekhov, Introduction to the writer and story. Story Reading and discussion on Questions answers.
2.	Week 2	“Gift Of The Magi” by O Henry, Introduction to the writer and story. Story Reading and discussion on Questions answers.
3	Week 3	“The Postmaster” by Rabindranath Tagore, Introduction to the writer and story. Story reading and discussion on Questions answers.
4	Week 4	“Three Questions” by Leo Tolstoy, Introduction to the writer and story. Story reading and discussion on Questions answers.
5	Week 5	“Three Dying Detective” by Arthur Canan Doyle, Introduction to the writer and story. Story reading and discussion of Questions answers.
1	April Week 1	“Under The Banyan Tree” by RK Narayan, Introduction to the writer and story. Story Reading and discussion of Questions answers.
2	Week 2	Grammar and Writing Skills Practice of Antonyms and Synonyms. Prefix and Suffix
3	Week 3	Introduction and analysis of One Word Substitution and
4	Week 4	Homophones and Homonyms
1	May Week 1	Developing writing skills, Technical writing:- Email writing, Report writing.
2	Week 2	Developing writing skills – Resume writing, and Book



		Review
3	Week 3	Revision of the story “The Bet” Revision of Question answers. Test.
4	Week 4	Revision of the story “Gift of the Magi” Revision of Question answers. Group Discussion
1	June Week 1	Revision of “The Postmaster”. Revision of Question answers. Test of the story.
2	Week 2	Revision of the story “Three Questions” Revision of Question answers. Test of the story. Group Discussion
3	Week 3	Revision of the story “Three Dying Detective” Revision of Question answers. Test of the story
4	Week 4	Revision of “Under The Banyan Tree”. Revision of Question answers. Group Discussion
5	Week 5	Revision of Grammar and submission of Assignments

## Computer Science Department

**Session april 2021-2022**

**Lesson plan BBA 6<sup>th</sup> Sem**

**Subject - SAD**

**Neha Narwal (computer sc dept)**

**Time period**

**Topics**

**Week 1**

Intro to analysis and design ( system and its charac.,components,env,classification)

<b>Week 2</b>	SDLC,case tools for analyst,role of system analyst,ER models,feasibility study
<b>Week 3</b>	design of application-DFD,form design,screen design
<b>Week 4</b>	report design,structure chart,database def,
<b>Week 5</b>	equipment specf. And selection,personnel estimates
<b>Week 6</b>	I-O design,implementation-data dictionary
<b>Week 7</b>	decision tables,decision trees,logical design to physical implementation
<b>Week 8</b>	intro to distributed data processing
<b>Week 9</b>	real time system,evaluating distributing system
<b>Week 10</b>	designing distributed data base
<b>Week 11</b>	event based real time analysis
<b>Week 12</b>	state transtition diagrams
<b>Week 13</b>	SDLC
<b>Week 14</b>	decision tables,decision trees
<b>Week 15</b>	I-O design,RTS
<b>1 May onwards</b>	revision ,presentation

## **Session april 2021-2022**

### **Lesson plan BSC phy hons 2<sup>nd</sup> yr**

#### **Subject – computer fundamentals and programming -II**

**Neha Narwal (computer sc dept)**

<b>Time period</b>	<b>Topics</b>
<b>Week 1</b> precision	types of errors,floating point computation,overflow and underflow,single and double arithmetic
<b>Week 2</b>	iterative process,solution of non-linear equations,bisection,secant method
<b>Week 3</b> a given	newton raphson method,comparison and error estimation,program for finding zeros of function

<b>Week 4</b>	solution of simulta. Linear equation : gauss elimination method
<b>Week 5</b>	computation of eigen values and vectors of matrices using iterative process
<b>Week 6</b>	program for finding soltn of a given system of three coupled linear eqn
<b>Week 7</b>	interpolation ( newton forward and backward formulas)
<b>Week 8</b>	program for interpolating data points first and second derivative of a given function data
<b>Week 9</b>	integration : general quadrature formula
<b>Week 10</b>	trapezoidal and Simpsons rule
<b>Week 11</b>	gauss quadrature formula: gauss hermite ,gauss legendre
<b>Week 12</b>	program for integrating a given function using simpson and gauss legendre methods
<b>Week 13</b>	soltn of ordinary diff eqn
<b>Week 14</b>	idea of predictor-corrector method
<b>Week 15</b>	program for solving initial value problem using diff eqn using runge kutta method

**NAME OF EXTENSION LECTURER: PARMOD KUMAR**

**CLASS AND SECTION: BCA 2nd Sem. (B)**

**SUBJECT: BCA-109 : Subject: Structured Systems Analysis and Design**

**LESSON PLAN 2021-2022 SESSION**

<b>DATE</b>	<b>SYLLABUS TOPIC</b>
<b>Week 1, 1 April to 2 April</b>	Introduction to system, Definition and characteristics of a system, Elements of system
<b>Week 2 ,4 April to 9 April</b>	Types of system, System development life cycle, Role of system analyst
<b>Week 3, 11 April to 16 April</b>	Analyst/user interface, System planning and initial investigation
<b>Week 4, 18 April to 23 April</b>	Introduction, Bases for planning in system analysis, Sources of project requests, Initial investigation
<b>Week 5, 25 April to 30 April</b>	Fact finding, Information gathering, information gathering tools, Fact analysis, Determination of feasibility
<b>Week 6, 2 May to 7 May</b>	Structured analysis, Tools of structured analysis: DFD, Data dictionary, Flow charts, Gantt charts, decision tree, decision table, structured English, Pros and cons of each tool,

<b>Week 7, 9 May to 14 May</b>	Feasibility study: Introduction, Objective, Types, Steps in feasibility analysis, Feasibility report, Oral presentation,
<b>Week 8, 16 May to 21 May</b>	Cost and benefit analysis: Identification of costs and benefits, classification of costs and benefits, Methods of determining costs and benefits, Interpret results of analysis and take final action.
<b>Week 9, 23 May to 28 May</b>	System Design: System design objective, Logical and physical design, Design Methodologies, structured design, Form-Driven methodology(IPO charts),
<b>Week 10, 30 May to 4 June</b>	structured walkthrough, Input/Output and form design: Input design, Objectives of input design, Output design, Objectives of output design, Form design, Classification of forms, requirements of form design, Types of forms, Layout considerations, Form control.
<b>Week 11, 6 June to 11 June</b>	System testing: Introduction, Objectives of testing, Test plan, testing techniques/Types of system tests, Quality assurance goals in system life cycle, System implementation
<b>Week 12, 13 June to 18 June</b>	Process of implementation, System evaluation, System maintenance and its types, System documentation, Forms of documentation.
<b>Week 13, 20 June to 25 June</b>	<b>Test &amp; Revision</b>
<b>Week 14, 27 June to 30 June</b>	<b>Test &amp; Revision</b>

**NAME OF EXTENSION LECTURER: PARMOD KUMAR**

**CLASS AND SECTION: BBA 4<sup>TH</sup> SEMESTER (A)**

**SUBJECT: BCA – 405 Subject: DATA BASE MANAGEMENT SYSTEM**

**LESSON PLAN 2021-2022 SESSION**

<b>DATE</b>	<b>SYLLABUS TOPIC</b>
<b>Week 1, 1 April to 2 April</b>	<b>Introduction</b>
<b>Week 2, 4 April to 9 April</b>	<b>Introduction:</b> Introduction to data base management system – Data versus information
<b>Week 3, 11 April to 16 April</b>	record, file; data dictionary, database administrator, functions and responsibilities;
<b>Week 4, 18 April to 23 April</b>	file-oriented system versus database system.
<b>Week 5, 25 April to 30 April</b>	Database system architecture – Introduction, schemas, sub

<b>April</b>	schemas and instances
<b>Week 6, 2 May to 7 May</b>	data base architecture, data independence
<b>Week 7, 9 May to 14 May</b>	mapping, data models, types of database systems.
<b>Week 8, 16 May to 21 May</b>	TEST & REVISION
<b>Week 9, 23 May to 28 May</b>	Data base security – Threats and security issues, firewalls
<b>Week 10, 30 May to 4 June</b>	Database recovery; techniques of data base security; distributed data base.
<b>Week 11, 6 June to 11 June</b>	Data warehousing and data mining. Emerging data base technologies, internet, database,
<b>Week 12, 13 June to 18 June</b>	Digital libraries multimedia data base, mobile data base, spatial data base.
<b>Week 13, 20 June to 25 June</b>	Test & Revision
<b>Week 14, 27 June to 30 June</b>	Revision

## Lesson Plan

**Class - BCA (Sem. 6)**

**Faculty – Ms. Neetu**

**Subject -Object Technologies & Programming using Java**

**Lesson Plan Duration - From April 2022 to June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week1</b>	Paradigms of Programming languages, Evolution of OO methodology, Basic concepts of OO approach
<b>Week2</b>	Comparison of Object oriented and procedure oriented approaches, Benefits of OOPs
<b>Week3</b>	Introduction to common OO language, Applications of OOPs, Classes and objects, Abstraction and encapsulation, Inheritance
<b>Week4</b>	Method overriding and polymorphism, test assignment Introduction to Java, Basic features, java virtual machine concepts
<b>Week5</b>	Primitive data type and variables, java operators, expressions, statements and arrays, Class fundamentals, objects, assigning object reference variables, methods, constructors, overloading constructors

<b>Week6</b>	, this keyword, object as parameters, argument passing, Returning objects, method overloading, garbage collection, finalize() method, inheritance basics, access control, multilevel inheritance,
<b>Week7</b>	Method overriding, abstract classes, polymorphism, final keyword. Test of unit 2.
<b>Week8</b>	Defining package, classpath, package naming, accessibility of packages, implementing interfaces, interface and abstract classes
<b>Week9</b>	Extend and implements together, exception, handling of exception, using try catch, catching multiple exceptions, type of exceptions, throwing exceptions, writing exception subclasses
<b>Week10</b>	Introduction to thread, java thread model, thread priorities, synchronization in java, inter thread communication, I/O basics, streams and stream classes
<b>Week11</b>	Test of Unit 3, predefined streams, reading from and writing to, console, reading and writing files, the transit and volatile modifiers
<b>Week12</b>	Using instance of native methods, fundamentals of characters and strings, the string class
<b>Week13</b>	String operations, data conversion using value of() methods, string buffer class and methods
<b>Week14</b>	Assignment of Unit 3 and 4. Test of unit 4
<b>Week15</b>	<b>Revision, Presentation</b>
<b>1 May onwards</b>	<b>Revision</b>

## Lesson Plan

**Class - BSC (Sem. 4)**

**Faculty – Ms. Neetu**

**Subject –Data structures with C/C++**

**Lesson Plan Duration - From April 2022 to June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week1</b>	Data-Structure operations, Algorithm, Complexity, Data structure

	and its essence
<b>Week2</b>	Introduction to Arrays, Array operations, Multi- dimensional arrays, sequential allocation, address calculations,
<b>Week3</b>	sparse arrays, Stacks-Introduction to Stacks, primitive operations on stacks
<b>Week4</b>	representation of stacks as an array and stack-applications. Assignment
<b>Week5</b>	Introduction to queues, operations on queue, circular queue, priority queue, Applications of queue
<b>Week6</b>	Linked List-introduction and basic operations, Header nodes, doubly linked list, circular linked list,
<b>Week7</b>	Applications of linked list, Representation of linked list as an array, stacks and queues. Test of Unit 2
<b>Week8</b>	Basic terminology, binary trees and binary search trees, implementing binary trees
<b>Week9</b>	Tree traversal algorithms, threaded trees, trees in search algorithms,
<b>Week10</b>	AVL Trees, Polish notation and expression trees, applications of binary trees. Test of Unit 3
<b>Week11</b>	Graph data structure and their applications. Graph traversals, shortest paths, spanning trees and related algorithms
<b>Week12</b>	Internal and external sorting. Various sorting algorithms, Time and Space complexity of algorithms
<b>Week13</b>	Searching techniques. Applications of S orting and S earching in computer science.
<b>Week14</b>	Assignment of Unit 3 and 4. Test of unit 4
<b>Week15</b>	<b>Revision, Presentation</b>
<b>1 May onwards</b>	<b>Revision</b>

## Lesson Plan

**Class -BCA 6<sup>TH</sup> SEM**

**Faculty – Pooja Anand**

**Subject –E Commerce**

**Paper Code- 208**

**Lesson Plan Duration - From April 2022 to June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week 1 (April)</b>	Electronic Commerce: Overview of Electronic Commerce, Scope of Electronic Commerce, Traditional Commerce vs. Electronic Commerce, Impact of E-Commerce,
<b>Week 2 (April)</b>	Electronic Markets, Internet Commerce, e-commerce in perspective, Application of E Commerce in Direct Marketing and Selling
<b>Week 3 (April)</b>	Obstacles in adopting E-Commerce Applications; Future of E-Commerce. <b>Test and Assignment on Unit -1</b>
<b>Wee 4 (April)</b>	Value Chains in electronic Commerce, Supply chain, Porter's value chain Model, Inter Organizational value chains, Strategic Business unit chains, Industry value chains.,
<b>Week 1 (May)</b>	Security Threats to E-commerce: Security Overview, Computer Security Classification, Copyright and Intellectual Property, security Policy and Integrated Security
<b>Week 2 (May)</b>	Intellectual Property Threats, electronic Commerce Threats, Clients Threats, Communication Channel Threats, server Threats. <b>Assignment and Test on Unit -2</b>
<b>Week 3 (May)</b>	Implementing security for E-Commerce: Protecting E-Commerce Assets, Protecting Intellectual Property,
<b>Week 4 (May)</b>	Protecting Client Computers, Protecting E-commerce Channels, Insuring Transaction Integrity, Protecting the Commerce Server.
<b>Week 1 (June)</b>	Electronic Payment System: Electronic Cash, Electronic Wallets, Smart Card, Credit and Change Card <b>Revision and Test on Unit -3</b>
<b>Week 2 (June)</b>	Business to Business E-Commerce: Inter-organizational Transitions
<b>Week 3 (June)</b>	Credit Transaction Trade Cycle, a variety of transactions
<b>Week 4 (June)</b>	Electronic Data Interchange (EDI): Introduction to EDI, Benefits of EDI, EDI Technology, EDI standards, EDI Communication, EDI Implementation, EDI agreement, EDI security. <b>Test and revision on Unit 4</b>
<b>Week 5 (June)</b>	<b>Presentation and Query (Presentation and Quey)</b>

**Name of Assistant Professor:** Pooja Anand

**Class and Section:** BCA 4th Sem

**Subject:** OOPs

**Paper Code:** 208

**Lesson Plan: April 1 to June 30**



Week 1:

Object Oriented Programming Concepts : Procedural Language and Object Oriented approach, Characteristics of OOP, user defined types, polymorphism and encapsulation.

Week 2:

Getting started with C++: syntax, data types, variables, string, function,

**Week 3:**

namespace and exception, operators, flow control, recursion, array and pointer,

Week 4 :

UNIT-II Abstracting Mechanism: classes, private and public, Constructor and Destructor , member function, static members, references

Week 5 :

Memory Management: new, delete, object copying, copy constructor, assignment operator, this input/output

Week 6 :

UNIT-III Inheritance and Polymorphism: Derived Class and Base Class, Different types of Inheritance,

Week 7 :

Overriding member function, Abstract Class, Public and Private Inheritance, Ambiguity in Multiple inheritance ,

Week 8 :

Virtual function, Friend function, Static function.

Week 9 :
UNIT-IV Exception Handling: Exception and derived class, function exception declaration,
Week 10 :
unexpected exception, exception when handling exception, resource capture and release.
Week 11 :
Template and Standard Template Library: Template classes, declaration,
Week 12 :
template functions, namespace, string, iterators, hashes, iostreams and other types, .
Week 13 :
Revision , Assignment and Test .

## Lesson Plan BCA 6<sup>th</sup> Sem (Section B)

**Academic Session-** 2021-22**Subject** –Programming in Java

**PAPER CODE-BCA 307**

**Extension Lecturer** – Dr. Jyoti

Week	Topics
1 April-3 April	Paradigms of Programming Languages, Evolution of OO Methodology, Basic Concepts of OO Approach, Comparison of Object Oriented and Procedure Oriented Approaches.
4 April-10 April	Benefits of OOPs , Introduction to Common OO Language, Applications of OOPs, Classes and Objects , Abstraction and Encapsulation, Inheritance, Method Overriding and Polymorphism, Introduction To Java, Basic Features, Java Virtual Machine Concepts
11 April-17 April	Primitive Data Type And Variables, Statements, Control Structures and Arrays.
18 April-24 April	Class and Objects-- Class Fundamentals, Creating objects, Assigning object reference variables, Introducing Methods, Static methods,
25 April-1 May	Constructors, Overloading constructors, This Keyword, Using Objects as Parameters, Argument passing, Returning objects, Method overloading, Garbage Collection, The Finalize ( ) Method
2 May- 8 May	Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword
9 May- 15 May	Defining Package, CLASSPATH, Package naming, Accessibility of Packages, using Package Members, Implementing Interfaces
16 May- 22 May	Interface and Abstract Classes, Extends and Implements together, Exception, Handling of Exception, Using try-catch
23 May- 29 May	Catching Multiple Exceptions, Using finally clause, Types of Exceptions, Throwing Exceptions, Writing Exception Subclasses
30 May- 5 June	Introduction, The Main Thread, Java Thread Model, Thread Priorities
6 June- 12 June	Synchronization in Java, Inter thread Communication, I/O Basics, Streams and Stream Classes, The Predefined Streams
13 June- 19 June	Reading from, and Writing to console, Reading and Writing Files, The Transient and Volatile Modifiers, Using Instance of Native Methods
20 June- 26 June	Fundamentals of Characters and Strings, The String Class, String Operations, Data Conversion using Value Of ( ) Methods
27 June- 30 June	String Buffer Class and Methods, String Buffer Class and Methods

## Lesson Plan BCA 6<sup>th</sup> Sem (Section A)

Academic Session- 2021-22 Subject –INTRODUCTION TO .NET PAPER CODE-BCA 309

Extension Lecturer – Dr. Jyoti

Week	Topics
1 April-3 April	The Framework of .Net: Building blocks of .Net Platform (the CLR, CTS and CLS)
4 April-10 April	Features of .Net, Deploying the .Net Runtime, Architecture of .Net platform, Introduction to namespaces & type distinction.
11 April-17 April	Types & Object in .Net, the evolution of Web development
18 April-24 April	Class Libraries in .Net, Introduction to Assemblies & Manifest in .Net, Metadata & attributes
25 April-1 May	Introduction to C#: Characteristics of C#, Data types: Value types, reference types
2 May- 8 May	Default value, constants, variables, scope of variables, boxing and unboxing
9 May- 15 May	Operators and expressions: Arithmetic, relational, logical, bitwise, special operators
16 May- 22 May	Evolution of expressions, operator precedence & associativity, Control constructs in C#
23 May- 29 May	Decision making, loops, Classes & methods: Class, methods, constructors, destructors,
30 May- 5 June	Overloading of operators & functions.
6 June- 12 June	Inheritance & polymorphism: visibility control, overriding, abstract class & methods
13 June- 19 June	Sealed classes & methods, interfaces
20 June- 26 June	Advanced features of C#: Exception handling & error handling
27 June- 30 June	Automatic memory management, Input and output (Directories, Files, and streams)

NAME OF EXTENSION LECTURER: TEENA SUNEJA  
 CLASS AND SECTION: BCA 4<sup>TH</sup> SEMESTER  
 SUBJECT: BCA – 206 Subject: WEB DESIGNING  
 LESSON PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Introduction to Internet and World Wide Web
Week 2 ,4 April to 9 April	Evolution and History of World Wide Web;
Week 3, 11 April to 16 April	Basic features; Web Browsers; Web Servers; Hypertext Transfer Protocol, TEST
Week 4, 18 April to 23 April	Overview of TCP/IP and its services; URLs; Searching and Web-Casting Techniques; Search Engines and Search Tools;
Week 5, 25 April to 30 April	Web Publishing: Hosting your Site; Internet Service Provider; Web terminologies, Phases of Planning and designing your Web Site
Week 6, 2 May to 7 May	Steps for developing your Site; Choosing the contents; Home Page; Domain Names, Front page views, Adding pictures, Links,
Week 7, 9 May to 14 May	Backgrounds, Relating Front Page to DHTML. Creating a Website and the Markup Languages (HTML, DHTML); TEST
Week 8,16 May to 21 May	Web Development: Introduction to HTML; Hypertext and HTML; HTML Document Features;
Week 9, 23 May to 28 May	HTML command Tags; Creating Links; Headers; Text styles; Text Structuring; Text colors and Background; Formatting text; Page layouts;
Week 10, 30 May to 4 June	Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts; TEST
Week 11, 6 June to 11 June	Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes;
Week 12, 13 June to 18 June	DHTML: Dynamic HTML, Features of DHTML,CSSP(cascading style sheet positioning)
Week 13, 20 June to 25 June	JSSS(JavaScript assisted style sheet), Layers of netscape, The ID attributes, DHTML events.
Week 14, 27 June to 30 June	Revision

NAME OF EXTENSION LECTURER: TEENA SUNEJA  
 CLASS AND SECTION: BCA 2nd SEMESTER AND SECTION- A  
 SUBJECT: BCA-107 : Subject: LOC-II  
 LESSON PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Sequential Logic: Characteristics,
Week 2 ,4 April to 9 April	Flip-Flops, Clocked RS, D type, JK, T type and Master Slave flip-flops.
Week 3, 11 April to 16 April	State table, state diagram and state equations. Flip-flop excitation tables, TEST
Week 4, 18 April to 23 April	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel Output (SIPO),
Week 5, 25 April to 30 April	Parallel Input Serial Output (PISO), Parallel Input Parallel Output

<b>April</b>	(PIPO) and shift registers. Designing counters – Asynchronous and Synchronous Binary Counters,
<b>Week 6, 2 May to 7 May</b>	Modulo-N Counters and Up-Down Counters, TEST
<b>Week 7, 9 May to 14 May</b>	Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM,
<b>Week 8, 16 May to 21 May</b>	Magnetic and Optical Storage devices,
<b>Week 9, 23 May to 28 May</b>	Flash memory, I/O Devices and their controllers.
<b>Week 10, 30 May to 4 June</b>	Instruction Design & I/O Organization: Machine instruction, Instruction set selection, Test
<b>Week 11, 6 June to 11 June</b>	Instruction cycle, Instruction Format and Addressing Modes..
<b>Week 12, 13 June to 18 June</b>	I/O Interface, Interrupt structure, Program-controlled
<b>Week 13, 20 June to 25 June</b>	Interrupt-controlled & DMA transfer, I/O Channels.
<b>Week 14, 27 June to 30 June</b>	IOP , TEST Revision

**Name of Associate Professor: Dr. Nisha**

**Class and Section: M.Sc 2<sup>nd</sup>Sem**

**Subject: Software Engineering**

**Paper Code: 16MCS22C3**

**Lesson Plan: 14 Weeks (from April 2022 to June 2022)**

<b>Week 1, April 1 to April 2</b>
Introduction to Software Engineering: Software crisis, Software engineering Approach and Challenges,
<b>Week 2, April 4 to April 9</b>
Principles of software engineering, Software development process models with comparison: Waterfall, Prototype, Time boxing and Spiral Models, RAD Model and Automation through software environments
<b>Week 3, April 11 to April 16</b>
Quality Standards like ISO 9001, SEI-CMM, Software Project Management: Management activities, Project planning, Project scheduling, Risk management activities.
<b>Week 4, April 18 to April 23</b>

Software Requirements Engineering: Requirements Engineering Processes, Feasibility studies, Requirements elicitation and analysis, Requirements validation, Requirements management.
<b>Week 5 April 25 to April 30</b>
Software Requirements Analysis & Specifications: Software requirements, Structured analysis: Data Flow diagram, data dictionary, Revision and assignment related to above topics
<b>Week 6, May 2 to May 7</b>
Object oriented analysis, Software Requirement Specification (SRS): Need of SRS, Characteristics of SRS, Components of SRS, Structure of SRS, Software Metrics and Measure: Need and benefits of Software Metrics
<b>Week 7, May 9 to May 14</b>
Size Metrics: Line of code, Token metrics, Function point metrics, Control Complexity Metrics, Software Project Estimation Models- COCOMO models. Revision , Test and assignment related to above topics
<b>Week 8, May 16 to May 21</b>
Software Design: Fundamentals, problem partitioning & abstraction, design methodology, Function Oriented Design, Cohesion, Coupling & their classification, User Interface Design and Detailed design
<b>Week 9, May 23 to May 28</b>
Coding: Goals of coding phase, Programming style, Structured programming: objectives of structured programming, Principles of structured programming, advantages and disadvantages of structured programming.
<b>Week 10, May 30 to June 4</b>
Software Testing: Impracticality of Testing all Data and Paths, Levels of testing, Functional vs. Structural testing, Static and Dynamic Testing Tools, Regression testing, Mutation Testing, Stress Testing; Validation Vs. verification, Problem Discussion, Revision and Test related to above Topics
<b>Week 11, June 6 to June 11</b>
Software Maintenance: Need of maintenance, Categories of maintenance, Maintainability, Maintenance tasks, Maintenance side effects
<b>Week 12, June 13 to June 18</b>
Software Re-Engineering: Source Code Translation, Program Restructuring, Data Re-Engineering, Reverse Engineering.

Week 13, <b>June 20 to June 25</b>
Configuration Management: Maintaining Product Integrity, Change Management, Version Control, Configuration accounting: Reviews, Walkthrough, Inspection, and Configuration Audits.
Week 14, <b>June 27 Onwards</b>
Problem discussion , Presentation ,Sessional and Viva-Voce

**Name of Associate Professor: Dr. Nisha**  
**Class and Section: M.Sc. 4<sup>th</sup> Sem**  
**Subject: Software Lab**  
**Paper Code: 17MCS24CL**

Practical Syllabus will be met as per schedule of concerned theory paper i.e. based on 17MCS24C1 and 17MCS24DB1.

**Name of Assistant Professor: Ms. Suman Ahlawat**  
**Class and Section: M.Sc. 2<sup>nd</sup> Sem(Computer Sc.)**  
**Subject: Computer Networks**  
**Paper Code: 16MCS22C4**  
**Lesson Plan: 14 Weeks (from April 2022 to June 2022)**

Week 1: <b>April 1 to April 2</b>
Introduction to Computer Network , Types of Networks
Week 2: <b>April 4 to April 9</b>
Network Topologies, Define OSI Model, Define TCP Model, Reference Models,



Comparison of Models, Define Data Communication, Problems related to above topics
<b>Week 3: April 11 to April 16</b>
Digital Vs. Analog Communication, Parallel and Serial Communication, Synchronous and Asynchronous Communication, Isochronous Communication, Communication modes, simple, half duplex, full duplex Problems and Discussion related to above topics, Assignments relates to above topics
<b>Week 4: April 18 to April 23</b>
Multiplexing and De-Multiplexing, Transmission Media: Wired Twisted Pair, Coaxial Cable, Optical Fiber Cable, Problems related to above topics
<b>Week 5: April 25 to April 30</b>
Wireless Transmission(Terrestrial, Microwave), Wireless Transmission(Satellite, Infra red), Communication Switching Techniques(Circuit, Message Switching), Communication Switching Techniques(Packet Switching), Problems and Discussion related to above topic, Assignments related to Models
<b>Week 6: May 2 to May 7</b>
Concept of Data Link Layer and its Framing, Basics of Error Detection, Forward Error Correction, Cycle Redundancy, Check Codes for Error Detection, Problems related to above topics
<b>Week 7: May 9 to May 14</b>
Flow Control, Test(Unit-I), Define Media Access Protocols(ALOHA), Carrier Sense Multiple Access(CSMA), CSMA With Collision Detection, Token Ring, Token Bus, Problems and Discussion related to above Topics, Assignments related to Switching Technique
<b>Week 8: May 16 to May 21</b>
Define High Speed LAN, Fast Ethernet, Gigabit Ethernet, 10G Wireless LAN, IEEE 802.11, Problems related to above topics
<b>Week 9: May 23 to May 28</b>
Define Bluetooth, Define Network Layer, IP Addressing and Routing, Network

Layer Protocols(IP v4), ARP Protocol, Test(Unit-II), Define ICMP(Error Reporting and Query Message), Define IPv6(Header Format and Addressing), Problems related to above topic
<b>Week 10: May 30 to June 4</b>
Define Transport Layer, Define Process-to-Process Delivery, Oral Test, UDP, Problems and Discussion related to above topic
<b>Week 11: June 6 to June 11</b>
Define TCP, Connection Management by TCP, Basics of Congestion Control, Congestion Control, , Assignments related to Network Layer, Define Application Layer, Define SMTP, HTTP, WWW
<b>Week 12: June 13 to June 18</b>
Network Security , Network Security Requirements, Security Attacks, Cryptography, Revision and Test, Problems and Discussion related to above topics
<b>Week 13: June 20 to June 25</b>
Cryptography, Symmetric Key(DES), Symmetric Key(AES), Public Key Cryptography(RSA), Problems related to above topics
<b>Week 14: June 27 Onwards</b>
Presentation, Sessional and Viva-Voce

**Name of Assistant Professor:** Ms. Suman Ahlawat

**Class and Section:** APGDCA 2<sup>ND</sup> SEM (Computer Sc.)

**Subject:** System Analysis and Design

**Paper Code:** APGDCA 203

**Lesson Plan:** 14 Weeks (from April 2022 to June 2022)

Week 1: <b>April 1 to April 2</b>
Overview of system analysis and design. Definition and characteristics of a system, Elements of system
Week 2: <b>April 4 to April 9</b>
Types of system, system development life cycle, project selection, feasibility, analysis, Problems related to above topics
Week 3: <b>April 11 to April 16</b>
System Design, implementation, testing and evaluation, Problems and Discussion related to above topics, Assignments related to above
Week 4: <b>April 18 to April 23</b>
Project Selection : Source of Project requests, managing project review and selection, preliminary investigation, Problems related to above topics
Week 5: <b>April 25 to April 30</b>
Feasibility Study : Technical and economical feasibility, cost and benefit analysis System requirement specification, Problems and Discussion related to above topic, Assignments related to these.
Week 6: <b>May 2 to May 7</b>
Analysis : Fact finding techniques, Data flow diagrams, data dictionaries, process organization and interactions, Problems related to above topics
Week 7: <b>May 9 to May 14</b>
Decision analysis, decision trees and tables., System Design: System design

objective, Logical and physical design, Problems related to above topics
<b>Week 8: May 16 to May 21</b>
Design Methodologies, structured design, Form-Driven methodology(IPO charts), structured walkthrough, Input/output and form design, Problems related to above topics
<b>Week 9: May 23 to May 28</b>
Input design, Objectives of input design, Output design, Objectives of output design, Form design, Classification of forms, , Problems related to above topic
<b>Week 10: May 30 to June 4</b>
requirements of form design, Types of forms, Layout considerations, Form control, Problems related to above topic, Assignment on above topic
<b>Week 11: June 6 to June 11</b>
System testing: Introduction, Objectives of testing, Test plan, testing techniques, Types of system tests Problems related to above topic
<b>Week 12: June 13 to June 18</b>
Quality assurance goals in system life cycle, System implementation, Process of implementation, Problem and Revision on above topic and test
<b>Week 13: June 20 to June 25</b>
System evaluation, System maintenance and its types, System documentation, Forms of documentation. Revision, Problems and Discussion related to above topics
<b>Week 14: June 27 Onwards</b> Presentation, Sessional and Viva-Voce

**Name of Assistant Professor: Ms. Suman Ahlawat**

**Class and Section: APGDCA 2<sup>ND</sup> SEM (Computer Sc.)**

**Subject: Software Lab**

**Paper Code: APGDCA 204**

Practical Syllabus will be met as per schedule of concerned theory paper i.e. based on APGDCA 201 and APGDCA 202

### **Lesson Plan**

**Class - B.Sc. Part-I with Computer Science as a Subject (Sem. 2)**

**Faculty - Mrs.Rohini Sharma**

**Subject -Paper 2.2: Structured Systems Analysis and Design**

**Lesson Plan Duration - From 01 April 2022 to 30th June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>01 – 08 April</b>	(Unit -1): Introduction to system, Definition and characteristics of a system, Elements of system, Types of system,
<b>10 – 16 April</b>	System development life cycle, Role of system analyst, Analyst/user interface
<b>17 – 22 April</b>	System planning and initial investigation: Introduction, Bases for planning in system analysis
<b>24 – 29 April</b>	Sources of project requests, Initial investigation, Fact finding, Information gathering, information gathering tools., Test Unit 1
<b>02 – 07 May</b>	(unit-2): Structured analysis, Tools of structured analysis: DFD, Data dictionary, Flow charts, Gantt charts, decisiontree, decision table, structured English, Pros and cons of each tool, Feasibility study: Introduction, Objective, Types, Steps in feasibility analysis, Feasibility report, Oral presentation,

<b>09 – 14 May</b>	Cost and benefit analysis: Identification of costs and benefits, classification of costs and benefits, Methods of determining costs and benefits, Interpret results of analysis and take final action.  test of Unit 2
<b>16 – 21 May</b>	(Unit-3): System Design: System design objective, Logical and physical design, Design Methodologies, structured design, Form-Driven methodology(IPO charts), structured walkthrough
<b>23 - 28 May</b>	Input/Output and form design: Input design, Objectives of input design, Output design, Objectives of output design, Form design
<b>30 May - 04 June</b>	Classification of forms, requirements of form design, Types of forms, Layout considerations, Form control. . Test of Unit 3
<b>05 June – 11 June</b>	System testing: Introduction, Objectives of testing, Test plan, testing techniques/Types of system tests
<b>13 June – 18 June</b>	Quality assurance goals in system life cycle, System implementation
<b>20 June – 25 June</b>	Process of implementation, System evaluation, System maintenance and its types, System documentation, Forms of documentation
<b>27 June – 30 June</b>	Test of Unit 4. Revision. Discussion on last year question papers

## Lesson Plan

**Class - BCA (Sem. 6) 309**

**Faculty - Mrs.Rohini Sharma**

**Subject -INTRODUCTION TO .NET (Theory)**

**Lesson Plan Duration - From 01April 2022 to 30<sup>th</sup>June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>01–08 April</b>	(Unit -1): The Framework of .Net: Building blocks of

	.Net Platform (the CLR, CTS and CLS)
<b>10 – 16 April</b>	Features of .Net, Deploying the .Net Runtime, Architecture of .Net platform, Introduction to namespaces & type distinction.
<b>17 – 22 April</b>	Types & Object in .Net, the evolution of Web development
<b>24 – 29 April</b>	Class Libraries in .Net, Introduction to Assemblies& Manifest in .Net, Metadata & attributes , Test Unit 1
<b>02 – 07 May</b>	(unit-2): Introduction to C#: Characteristics of C#, Data types: Value types, referencetypes, Default value, constants,
<b>09 – 14 May</b>	variables, scope of variables, boxing and unboxing test of Unit 2
<b>16 – 21 May</b>	(Unit-3): Operators and expressions: Arithmetic, relational, logical, bitwise, special operators
<b>23 - 28 May</b>	Evolution of expressions, operator precedence & associativity, Control constructs in C#, Overloading of operators & functions.
<b>30 May - 04June</b>	Decision making, loops, Classes & methods: Class, methods, constructors, destructors. Test of Unit 3
<b>05 June – 11 June</b>	Inheritance & polymorphism: visibility control, overriding, abstract class & methods, Sealed classes & methods,
<b>13 June – 18 June</b>	Interfaces, Advanced features of C#: Exception handling & error handling, Automatic memorymanagement,
<b>20 June – 25 June</b>	Input and output (Directories, Files, and streams)
<b>27 June – 30 June</b>	Test of Unit 4. Revision. Discussion on last year question papers

**Class - BCA (Sem. 6) 309**

**Faculty - Mrs.Rohini Sharma**

**Subject –Practical Lab based on .NET and JAVA (310)**

**Lesson Plan Duration - From 01 April 2022 to 30<sup>th</sup> June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>01 – 08 April</b>	Introduction to JAVA, How to set PATH and environment variables. How to compile and run a program in JAVA. Fibonacci Series. Basic arithmetic programs through console and in built inputs.
<b>10 – 16 April</b>	Star and Number Patterns. If else and loop programs
<b>17 – 22 April</b>	Methods in Java. Introduction to Visual Studio. NET 2010. How to install and build a program in .NET
<b>24 – 29 April</b>	Constructor, Destructor in JAVA, Method overloading, Garbage Collection, The Finalize ( ) Method. Boxing and unboxing in C#
<b>02 – 07 May</b>	Operators and expressions in C#, JAVA: Inheritance Basics, Access Control, Multilevel Inheritance,
<b>09 – 14 May</b>	Control constructs in C#:Decision making, loops JAVA: Method Overriding, Abstract Classes, Polymorphism, Final Keyword
<b>16 – 21 May</b>	C#: Classes & methods: Class, methods, constructors, destructors,overloading of operators & functions. JAVA: Package, Interface
<b>23 - 28 May</b>	C#: Inheritance & polymorphism: visibility control, overriding, abstract class & methods, sealed JAVA: Exceptions Handling
<b>30 May - 04 June</b>	C#: Advanced features of C#: Exception handling & error handling. JAVA: Multithreading
<b>05 June – 11 June</b>	C#: automatic memorymanagement JAVA: I/O in Java
<b>13 June – 18 June</b>	C#: Input and output JAVA:
<b>20 June – 25 June</b>	C#: Interfaces JAVA: Strings and Characters
<b>27 June – 30 June</b>	Practices

**Name of Associate Professor: Ms. Sudesh Lather**

**Class and Section: M.Sc. 2<sup>nd</sup> Semester**



**Subject:** Data Structures Using C

**Paper Code:** 16MCS22C1

**Lesson Plan:** 14 Weeks (from April 2022 to June 2022)

Week 1, <b>April 1 to April 2</b>
<b>Introduction to Algorithm Design and Data Structure:</b> Introduction and Algorithm definition
Week 2, <b>April 4 to April 9</b>
Top-down and Bottom-up approaches to Algorithm design, Algorithm for searching, sorting, Merging
Week 3, <b>April 11 to April 16</b>
Analysis of Algorithm: Frequency count, Time Space tradeoff, Structured approach to programming. Problems related to Unit-I, Oral test and assigned Assignment related to Unit-I
Week 4, <b>April 18 to April 23</b>
<b>Arrays:</b> Representation of single and multidimensional arrays; Address calculation using column and row major ordering, Various operation on Arrays
Week 5 <b>April 25 to April 30</b>
Vectors, Application of arrays, Sparse arrays – lower and upper triangular matrices and Tri-diagonal matrices
<b>Week 6, May 2 to May 7</b>
<b>Sorting:</b> Selection sort, Insertion sort, Bubble sort, Quick sort, Merge sort, Heap sort, Radix sort and their complexity
Week 7, <b>May 9 to May 14</b>
<b>Searching:</b> Linear search, Binary search, Hashing function and Collision Handling methods. Revision , Assignment and test related to above topics
Week 8 <b>May 16 to May 21</b>
<b>Stacks and Queues:</b> Introduction and Primitive operations on stack; Stack application: Infix, postfix, prefix expressions; Evaluation of postfix expression; Conversion from infix to Postfix;
Week 9, <b>May 23 to May 28</b>

Introduction and Primitive Operation on queues, Algorithm related to Queue operations , De Queue, Priority Queue, Circular Queue, Revision and Problem discussion related to Stacks and Queues
Week 10, <b>May 30 to June 4</b>
<b>Linked Lists:</b> Introduction to Linked lists; Implementation of linked lists, operations such as traversal, Insertion, deletion, searching, Circular linked lists, Doubly Linked lists, Problem discussion related to Linked List
Week 11, <b>June 6 to June 11</b>
Introduction and Terminology of Trees, Traversal of Binary Trees, Recursive Algorithm for tree Operations, Threaded Binary Tree, Binary Search Trees, AVL Trees and B-Trees, Problem discussion related to Trees
Week 12, <b>June 13 to June 18</b>
<b>Graph:</b> Adjacency matrix, Adjacency lists, Traversal schemes: Depth first and Breadth first search
Week 13, <b>June 20 to June 25</b>
Spanning tree: Definition, Minimal spanning tree algorithms, Shortest path algorithms (Prim's and Kruskal's)
Week 14, <b>June 27 Onwards</b>
Presentation ,Sessional and Viva-Voce

**Name of Associate Professor: Ms. Sudesh Lather**

**Class and Section: M.Sc. 2<sup>nd</sup> Semester**

**Subject: Software Lab**

**Paper Code: 16MCS22CL**

Practical Syllabus will be met as per schedule of concerned theory paper i.e. based on 16MCS22C1 and 16MCS22C2.

**NAME OF EXTENSION LECTURER: Ritika**

**CLASS AND SECTION: BCA,sec-B**

**SUBJECT: BCA-207 Subject: Data Structure**

**LESSON PLAN 2021-2022 SESSION**

<b>DATE</b>	<b>SYLLABUS TOPIC</b>
<b>Week 1, 1 April to 2 April</b>	Tree: Header nodes, Threads, Binary search trees, Searching, Insertion, deletion in a Binary search tree,
<b>Week 2 ,4 April to 9 April</b>	AVL trees, Insertion and deletion in AVL search tree, m-way search tree,
<b>Week 3, 11 April to 16 April</b>	Searching, Insertion and deletion in an m-way search tree, B-trees
<b>Week 4, 18 April to 23 April</b>	Searching, Insertion and deletion in a B-tree, B+tree, Huffman's algorithm, General trees.
<b>Week 5, 25 April to 30 April</b>	Graphs: Wars hall's algorithm for shortest path
<b>Week 6, 2 May to 7 May</b>	Dijkstra algorithm for shortest path,
<b>Week 7, 9 May to 14 May</b>	Operations on graphs, Traversal of graph, Topological sorting
<b>Week 8,16 May to 21 May</b>	Quick sort, Heap sort, Merge sort, Tournament sort,
<b>Week 9, 23 May to 28 May</b>	Searching: Liner search, binary search, merging
<b>Week 10, 30 May to 4 June</b>	Comparison of various sorting and searching algorithms on the basis of their complexity
<b>Week 11, 6 June to 11 June</b>	Files: Physical storage devices and their characteristics, Attributes of a file viz fields, records
<b>Week 12, 13 June to 18 June</b>	, Fixed and variable length records, Primary and secondary keys, Classification of files,
<b>Week 13, 20 June to 25 June</b>	File operations, Comparison of various types of files, File organization: Serial, Sequential, Indexed-sequential, Random-access/Direct
<b>Week 14, 27 June to 30 June</b>	, Inverted, Multilist file organization. Hashing: Introduction, Hashing functions and Collision resolution methods

**NAME OF EXTENSION LECTURER:** Ritika

**CLASS AND SECTION:** BSc 2nd Sem

**SUBJECT:** Programming in C,2.1

**LESSION PLAN 2021-2022 SESSION**

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Basic concepts of programming, techniques of problem solving, algorithm designing
Week 2 ,4 April to 9 April	flowcharting, concept of structured programming-Top-Down design, Development of efficient program;
Week 3, 11 April to 16 April	Program correctness; Debugging and testing of programs, Algorithm for searching, sorting(Insertion, Exchange), Merging of Order-List.
Week 4, 18 April to 23 April	Overview of C: History of C, Importance of C, Structure of a C Program Elements of C: C character set, identifiers and keywords, Data types: declaration and definition.
Week 5, 25 April to 30 April	Operators: Arithmetic, relational, logical, bitwise, unary, assignment and conditional operators and their hierarchy &
Week 6, 2 May to 7 May	associativity, input/output statements, Decision making
Week 7, 9 May to 14 May	Branching: Decision making with if statement, if-else statement, nested if, else-if ladder
Week 8,16 May to 21 May	switch statement, goto statement. Decision making & looping: for, while, and do-while loop; Jumps in loop, break, continue
Week 9, 23 May to 28 May	Functions: Definition, prototype, passing parameters, Recursion.
Week 10, 30 May to 4 June	Pointers: Declaration, operations on pointers, array of pointers, pointers to arrays.
Week 11, 6 June to 11 June	Data Structures Arrays: One Dimensional, Multidimensional, Pointers and arrays
Week 12, 13 June to 18 June	. Strings: String Constants, Input & Output String Functions. Structure & Unions.
Week 13, 20 June to 25 June	File Handling: Standard I/O text File, Writing to File, Reading a File.
Week 14, 27 June to 30 June	Revision

## **Lesson Plan**

**Class –BCA-4<sup>th</sup>Sem (Computer Science)**

**Faculty –Mr. Chain Singh**

**Subject – DATA STRUCTURE-II**

**Lesson Plan Duration –From 1 April 2022 to 30<sup>th</sup>June- 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week1</b>	Tree: Header nodes, Threads, Binary search trees, Searching, Insertion and deletion in a Binary search tree
<b>Week2</b>	AVL search trees, Insertion and deletion in AVL search tree,
<b>Week3</b>	m-waysearch tree, Searching, Insertion and deletion in an m-way search tree, B-trees, Searching, Insertion and deletion in a B-tree, B+tree.
<b>Week4</b>	Huffman's algorithm, General trees. Graphs: Warshall's algorithm for shortest path, Dijkstra algorithm for shortest path,
<b>Week5</b>	Operations on graphs, Traversal of graph, Topological sorting.
<b>Week6</b>	Sorting: Internal & external sorting, Radix sort, Quick sort, Heap sort, Merge sort,
<b>Week7</b>	Tournament sort, Searching: Linear search, binary search, merging,
<b>Week8</b>	Comparison of various sorting and searching algorithms on the basis of their complexity.
<b>Week9</b>	Files: Physical storage devices and their characteristics, Attributes of a file viz fields, records, Fixed and variable length records,
<b>Week10</b>	Primary and secondary keys, Classification of files, File operations, Comparison of various types of files, File organization: Serial, Sequential,
<b>Week11</b>	Indexed-sequential, Random-access/Direct, Inverted, Multilist file organization.
<b>Week12</b>	Hashing: Introduction, Hashing functions and Collision resolution methods.
<b>Week13</b>	Revision
<b>Week14</b>	Revision

## **Lesson Plan**

**Class – BCA-6<sup>th</sup>Sem**

**Faculty – Mr. Chain Singh**

**Subject – Artificial Intelligence(BCA-308)**

**Lesson Plan Duration – From 1 April 2022 to 30<sup>th</sup> June- 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week 1</b>	Overview of A.I: Introduction to AI, Importance of AI
<b>Week 2</b>	AI and its related field, AI techniques, Criteria for success
<b>Week 3</b>	Problems, problem space and search: Defining the problem as a state space search,
<b>Week 4</b>	Production system and its characteristics, Issues in the design of the search problem Heuristic search techniques : Generate and test, hill climbing, best first search technique
<b>Week 5</b>	problem reduction, constraint satisfaction, Taking queries from students
<b>Week 6</b>	Knowledge Representation: Definition and importance of knowledge, Knowledge representation
<b>Week 7</b>	Various approaches used in knowledge representation, Issues in knowledge representation.,Test
<b>Week 8</b>	Using Predicate Logic : Represent ting Simple Facts in logic, Representing instances and is_a relationship,
<b>Week 9</b>	Computable function and predicate. Natural language processing : Introduction syntactic processing,
<b>Week 10</b>	Semantic processing, Discourse and pragmatic processing.,Test
<b>Week 11</b>	Learning: Introduction learning, Rote learning, Learning by taking advice, Learning in problem solving,
<b>Week 12</b>	Learning from example-induction, Explanation based learning
<b>Week 13</b>	Expert System: Introduction, Representing using domain specific knowledge, Expert system shells.,Test
<b>Week 14</b>	Revision

**Name of Guest Lecturer:**      **Ms. Shalu Rani**

**Class and Section:**              **BCA 2<sup>nd</sup>Sem**

**Subject:**                              **‘C’ Programming**

**Paper Code:**                        **BCA 106 (Sec-A)**

**Lesson Plan:**                        **April 2022 to June 2022**

<p><b>Week 1: 1 April to 2 April 2022</b></p>
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Overview of C: History of C, Importance of C
<b>Week 2: 4 April to 9 April 2022</b>
Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant, Structure of a C Program, printf(), scanf() Functions
<b>Week 3: 11 April to 16 April 2022</b>
Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, shorthand assignment operators, conditional operators and increment and decrement operators
<b>Week 4: 18 April to 23 April 2022</b>
Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity
<b>Week 5: 25 April to 30 April 2022</b>
<b>Assignment and Test of Unit-1</b> , Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder

<b>Week 6: 2 May to 7 May 2022</b>
Switch statement, goto statement. Decision making & looping: For, while, and do-while loop
<b>Week 7: 9 May to 14 May 2022</b>
Jumps in loops, break, continue statement, Nested loops, <b>Assignment and test of Unit -2</b>
<b>Week 8: 16 May to 21 May 2022</b>
Functions: Standard Mathematical functions, Input/output: Unformatted & formatted I/O function in C, Input functions viz. getch(), getche(), getchar(), gets()
<b>Week 9: 23 May to 28 May 2022</b>
output functions viz., putch(), putchar(), puts(), string manipulation functions, User defined functions: Introduction/Definition
<b>Week 10: 30 May to 4 June 2022</b>
Function prototype, Local and global variables, passing parameters, recursion, Arrays, strings and pointers: Definition, types, initialization, processing an array, <b>Assignment and Test of Unit-3</b>



<b>Week 11: 6 June to 11 June 2022</b>
Passing arrays to functions, Array of Strings. String constant and variables, Declaration and initialization of string, Input/output of string data
<b>Week 12: 13 June to 18 June 2022</b>
Introduction to pointers. Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime.
<b>Week 13: 20 June to 25 June 2022</b>
Algorithm development, Flowcharting and Development of efficient program in C, <b>Assignment and Test of Unit-4</b>
<b>Week 14: 27 June 2022 Onwards</b>
Revision, Test, Query discussion and Presentation

**Name of Guest Lecturer:** Ms. Shalu Rani  
**Class and Section:** B.Sc. 6<sup>th</sup>Sem  
**Subject:** Software Engineering  
**Paper Code:** Paper 6.2  
**Lesson Plan:** April 2022 to June 2022

<b>Week 1: 1 April to 2 April 2022</b>
Software and software engineering: Software characteristics, Software Processes, software crisis
<b>Week 2: 7 April to 9 April 2022</b>
Software life cycle models, Waterfall, Prototype, Evolutionary and Spiral Models
<b>Week 3: 14 April to 16 April 2022</b>
Software engineering paradigms, goals and principles of software engineering.
<b>Week 4: 21 April to 23 April 2022</b>
Software requirement analysis – Structured analysis, object-oriented analysis
<b>Week 5: 28 April to 30 April 2022</b>
<b>Assignment and Test of Unit-1</b> , data modeling, software requirement specification, validation.
<b>Week 6: 5 May to 7 May 2022</b>
Software requirements Analysis and Specifications: Requirement engineering, requirements analysis using DFD, Data Dictionaries
<b>Week 7: 12 May to 14 May 2022</b>
E-R Diagram, requirement documentation, nature of SRS, characteristics and organization of SRS., <b>Assignment and test of Unit -2</b>
<b>Week 8: 19 May to 21 May 2022</b>
Software project management: Planning a software project, Software cost estimation, project scheduling,

<b>Week 9: 26 May to 28 May 2022</b>
personnel planning, team structure Software configuration management,
<b>Week 10: 2 June to 4 June 2022</b>
software quality and quality assurance, project monitoring, risk Management, <b>Assignment and Test of Unit-3</b>
<b>Week 11: 9 June to 11 June 2022</b>
Design and implementation of software- Software design fundamentals, software design principles
<b>Week 12: 16 June to 18 June 2022</b>
Cohesion and Coupling, Classification of Cohesion and Coupling, Function oriented design,
<b>Week 13: 23 June to 25 June 2022</b>
Objectoriented Design, design verification, monitoring and control, <b>Assignment and Test of Unit-4</b>
<b>Week 14: 30 June 2022 Onwards</b>
Revision, Test, Query discussion and Presentation

**Name of Guest Lecturer:** Ms. Shalu Rani

**Class and Section:** BCA 2<sup>n</sup>Sem

**Subject:** Practical Software Lab

**Paper Code:** BCA 110

Practical Syllabus will be met as per Schedule of Concerned theory paper i.e. based on Paper 106, C Programming.

NAME OF EXTENSION LECTURER: SUMAN & ARCHANA  
 CLASS AND SECTION: BCA 2<sup>nd</sup> SEMESTER AND SECTION- A,B  
 SUBJECT: BCA-108 : Subject: MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE  
 LESSION PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Algorithm: Algorithms, merits and demerits,
Week 2 ,4 April to 9 April	Graph Theory: Graphs, Types of graphs,
Week 3, 11 April to 16 April	degree of vertex, sub graph, isomorphic, TEST
Week 4, 18 April to 23 April	homeomorphic graphs, Adjacent and incidence matrices,
Week 5, 25 April to 30 April	Path Circuit ; Eulerian,Hamiltonian path circuit.
Week 6, 2 May to 7 May	Exponentiation, How to compute fast exponentiation, TEST
Week 7, 9 May to 14 May	Linear Search, Binary Search, "Big Oh" notation, Worst case, Advantage of logarithmic algorithms over linear algorithms, complexity.
Week 8,16 May to 21 May	Tree: Trees, Minimum distance trees, Minimum weight and Minimum distance spanning trees.
Week 9, 23 May to 28 May	Recursion: Recursively defined function. Merge sort, Insertion sort, Bubble sort, and Decimal to Binary
Week 10, 30 May to 4 June	Basic Statistics: Measure of Central Tendency, Preparing frequency distribution table, Mean, Test
Week 11, 6 June to 11 June	Mode, Median, Measure of Dispersion: Range, Variance and Standard Deviations, Correlation and Regression.
Week 12, 13 June to 18 June	Recurrence Relations: LHRR, LHRRWCCs, DCRR. Recursive procedures
Week 13, 20 June to 25 June	Number Theory: Principle of Mathematical induction, GCD, Euclidean algorithm, Fibonacci numbers.
Week 14, 27 June to 30 June	congruences and equivalence relations, public key encryption schemes <b>Revision</b>

NAME OF EXTENSION LECTURER: SUMAN  
 CLASS AND SECTION: BCA 4<sup>TH</sup> SEMESTER  
 SUBJECT: BCA – 206 Subject: WEB DESIGNING  
 LESSON PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Introduction to Internet and World Wide Web
Week 2 ,4 April to 9 April	Evolution and History of World Wide Web;
Week 3, 11 April to 16 April	Basic features; Web Browsers; Web Servers; Hypertext Transfer Protocol, TEST
Week 4, 18 April to 23 April	Overview of TCP/IP and its services; URLs; Searching and Web-Casting Techniques; Search Engines and Search Tools;
Week 5, 25 April to 30 April	Web Publishing: Hosting your Site; Internet Service Provider; Web terminologies, Phases of Planning and designing your Web Site
Week 6, 2 May to 7 May	Steps for developing your Site; Choosing the contents; Home Page; Domain Names, Front page views, Adding pictures, Links,
Week 7, 9 May to 14 May	Backgrounds, Relating Front Page to DHTML. Creating a Website and the Markup Languages (HTML, DHTML); TEST
Week 8,16 May to 21 May	Web Development: Introduction to HTML; Hypertext and HTML; HTML Document Features;
Week 9, 23 May to 28 May	HTML command Tags; Creating Links; Headers; Text styles; Text Structuring; Text colors and Background; Formatting text; Page layouts;
Week 10, 30 May to 4 June	Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts; TEST
Week 11, 6 June to 11 June	Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes;
Week 12, 13 June to 18 June	DHTML: Dynamic HTML, Features of DHTML, CSSP(cascading style sheet positioning)
Week 13, 20 June to 25 June	JSSS(JavaScript assisted style sheet), Layers of netscape, The ID attributes, DHTML events.
Week 14, 27 June to 30 June	Revision

NAME OF EXTENSION LECTURER: ARCHANA  
 CLASS AND SECTION: BCA 2nd SEMESTER AND SECTION- A,B  
 SUBJECT: BCA-107 : Subject: LOC-II  
 LESSON PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Sequential Logic: Characteristics,
Week 2 ,4 April to 9 April	Flip-Flops, Clocked RS, D type, JK, T type and Master Slave flip-flops.
Week 3, 11 April to 16 April	State table, state diagram and state equations. Flip-flop excitation tables, TEST
Week 4, 18 April to 23 April	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel Output (SIPO),
Week 5, 25 April to 30 April	Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO) and shift registers. Designing counters – Asynchronous and Synchronous Binary Counters,
Week 6, 2 May to 7 May	Modulo-N Counters and Up-Down Counters, TEST
Week 7, 9 May to 14 May	Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM,
Week 8,16 May to 21 May	Magnetic and Optical Storage devices,
Week 9, 23 May to 28 May	Flash memory, I/O Devices and their controllers.
Week 10, 30 May to 4 June	Instruction Design & I/O Organization: Machine instruction, Instruction set selection, Test
Week 11, 6 June to 11 June	Instruction cycle, Instruction Format and Addressing Modes..
Week 12, 13 June to 18 June	I/O Interface, Interrupt structure, Program-controlled
Week 13, 20 June to 25 June	Interrupt-controlled & DMA transfer, I/O Channels.
Week 14, 27 June to 30 June	IOP , TEST Revision

NAME OF EXTENSION LECTURER: MONIKA AHLAWAT  
 CLASS AND SECTION: BCA 6<sup>th</sup> SEMESTER AND SECTION-B  
 SUBJECT: BCA-308 Subject: Artificial Intelligence  
 LESSON PLAN 2021-2022 SESSION

DATE	SYLLABUS TOPIC
Week 1, 1 April to 2 April	Overview of A.I: Introduction to AI, Importance of AI
Week 2 ,4 April to 9 April	AI and its related field, AI techniques, Criteria for success
Week 3, 11 April to 16 April	Problems, problem space and search: Defining the problem as a state space search,
Week 4, 18 April to 23 April	Production system and its characteristics, Issues in the design of the search problem Heuristic search techniques : Generate and test, hill climbing, best first search technique
Week 5, 25 April to 30 April	problem reduction, constraint satisfaction, Taking queries from students
Week 6, 2 May to 7 May	Knowledge Representation: Definition and importance of knowledge, Knowledge representation
Week 7, 9 May to 14 May	Various approaches used in knowledge representation, Issues in knowledge representation.,Test

<b>Week 8, 16 May to 21 May</b>	Using Predicate Logic : Representing Simple Facts in logic, Representing instances and is_a relationship,
<b>Week 9, 23 May to 28 May</b>	Computable function and predicate. Natural language processing : Introduction syntactic processing,
<b>Week 10, 30 May to 4 June</b>	Semantic processing, Discourse and pragmatic processing., Test
<b>Week 11, 6 June to 11 June</b>	Learning: Introduction learning, Rote learning, Learning by taking advice, Learning in problem solving,
<b>Week 12, 13 June to 18 June</b>	Learning from example-induction, Explanation based learning
<b>Week 13, 20 June to 25 June</b>	Expert System: Introduction, Representing using domain specific knowledge, Expert system shells., Test
<b>Week 14, 27 June to 30 June</b>	<b>Revision</b>

**NAME OF EXTENSION LECTURER: MONIKA AHLAWAT**

**CLASS AND SECTION: BBA 4<sup>TH</sup> SEMESTER**

**SUBJECT: BBAN-204**

**Subject: COMPUTER APPLICATIONS IN MANAGEMENT**

**LESSON PLAN 2021-2022 SESSION**

<b>DATE</b>	<b>SYLLABUS TOPIC</b>
<b>Week 1, 1 April to 2 April</b>	Introduction to Computers – History, basic anatomy,
<b>Week 2, 4 April to 9 April</b>	operating system, memory, input/output devices;
<b>Week 3, 11 April to 16 April</b>	Types of computers, classification of computers
<b>Week 4, 18 April to 23 April</b>	Hardware and software, Networking – Advantage, types,
<b>Week 5, 25 April to 30 April</b>	Devices and network connection, wireless networking; virus and firewalls.
<b>Week 6, 2 May to 7 May</b>	Introduction to information technologies; www, search engines, web browsers,
<b>Week 7, 9 May to 14 May</b>	IP addressing, web hosting and web publishing, Internet applications in business,
<b>Week 8, 16 May to 21 May</b>	Chatting and e-mailing; computer applications, advantages and limitations,
<b>Week 9, 23 May to 28 May</b>	Use in offices, education, institutions, healthcare.
<b>Week 10, 30 May to 4 June</b>	Data, information and types; Information systems,
<b>Week 11, 6 June to 11 June</b>	Types – MIS, TPS, OAS, DSS,
<b>Week 12, 13 June to 18 June</b>	Expert systems, executive information systems. Multimedia applications in business;
<b>Week 13, 20 June to 25 June</b>	Marketing and advertising; web applications of multimedia.
<b>Week 14, 27 June to 30 June</b>	<b>Revision</b>

# Lesson Plan

**Class – B.Sc (Pass Course Computer Sc.) 6<sup>th</sup>Sem**

**Faculty – Ms. Navita**

**Subject –Visual Basic Programming and Software Engineering**

**Paper Code- 6.1& 6.2**

**Lesson Plan Duration - From April 2022 to June 2022**

Time Period	Topics
<b>Week 1 (April)</b>	Introduction to VB, Visual & Non-visual programming, Procedural, Object-oriented and event- driven programming languages, VB environment: Menu bar, Toolbar, Project explorer, Toolbox
<b>Week 2 (April)</b>	Properties window, Form designer, Form layout, Immediate window. Event driven programming <b>Test and Assignment on Unit -1</b>
<b>Week 3 (April)</b>	Basics of Programming: Variables: Declaration, Types of variables, Converting variables types
<b>Wee 4 (April)</b>	User defined data types, Scope & lifetime of variables. Constants: Named & intrinsic.
<b>Week 1 (May)</b>	Operators: Arithmetic, Relational & Logical operators.
<b>Week 2 (May)</b>	I/O in VB: Various controls for I/O in VB, Message box, Input Box, Print statement
<b>Week 3 (May)</b>	<b>Assignment and Test on Unit -2</b> Programming with VB: Decisions and conditions: If statement, If-then-else, Select-case
<b>Week 4 (May)</b>	Looping statements: Do-loops, For-next, While-wend, Exit statement. Nested control structures
<b>Week 1 (June)</b>	Arrays: Declaring and using arrays, one-dimensional and multi-dimensional arrays, Static & dynamic arrays, Arrays of array. <b>Revision and Test on Unit -3</b>
<b>Week 2 (June)</b>	Programming with VB: Procedures: General & event procedures, Subroutines, Functions, calling procedures,
<b>Week 3 (June)</b>	Arguments- passing mechanisms, Optional arguments, named arguments, Functions returning custom data types
<b>Week 4 (June)</b>	Working with forms: Adding multiple forms in VB, Hiding & showing forms, Load & unload statements, Activate & deactivate events, Form-load event,
<b>Week 5 (June)</b>	Menu designing in VB, Database Programming using DAO & ADO, Simple Active X Controls <b>Test and revision on Unit 4</b>



# Lesson Plan

Class – B.Sc (Pass Course Computer Sc.) 6<sup>th</sup>Sem

Faculty – Ms. Navita

Subject – Visual Basic Programming and Software Engineering

Paper Code- 6.1& 6.2

Lesson Plan Duration - From April 2022 to June 2022

Time Period	Topics
Week 1 (April)	Electronic Commerce: Overview of Electronic Commerce, Scope of Electronic Commerce, Traditional Commerce vs. Electronic Commerce, Impact of E-Commerce,
Week 2 (April)	Electronic Markets, Internet Commerce, e-commerce in perspective, Application of E Commerce in Direct Marketing and Selling
Week 3 (April)	Obstacles in adopting E-Commerce Applications; Future of E-Commerce. <b>Test and Assignment on Unit -1</b>
Wee 4 (April)	Value Chains in electronic Commerce, Supply chain, Porter's value chain Model, Inter Organizational value chains, Strategic Business unit chains, Industry value chains.,
Week 1 (May)	Security Threats to E-commerce: Security Overview, Computer Security Classification, Copyright and Intellectual Property, security Policy and Integrated Security
Week 2 (May)	Intellectual Property Threats, electronic Commerce Threats, Clients Threats, Communication Channel Threats, server Threats. <b>Assignment and Test on Unit -2</b>
Week 3 (May)	Implementing security for E-Commerce: Protecting E-Commerce Assets, Protecting Intellectual Property,
Week 4 (May)	Protecting Client Computers, Protecting E-commerce Channels, Insuring Transaction Integrity, Protecting the Commerce Server.
Week 1 (June)	Electronic Payment System: Electronic Cash, Electronic Wallets, Smart Card, Credit and Change Card <b>Revision and Test on Unit -3</b>
Week 2 (June)	Business to Business E-Commerce: Inter-organizational Transitions
Week 3 (June)	Credit Transaction Trade Cycle, a variety of transactions
Week 4 (June)	Electronic Data Interchange (EDI): Introduction to EDI, Benefits of EDI, EDI Technology, EDI standards, EDI Communication, EDI Implementation, EDI agreement, EDI security. <b>Test and revision on Unit 4</b>
Week 5 (June)	<b>Presentation and Query (Presentation and Quey)</b>

# Lesson Plan

**Class -MA Hindi/MA Geo/MA History (2nd Sem)**

**Faculty –Dr.SubitaKumari**

**Subject -Computer Fundamentals 16CSAF1**

**Lesson Plan Duration - From April 2022 to June 2022**

Time Period	Topics
<b>1st Week of April</b>	Overview of Data Processing, History of Computing, Computer Generations, Characteristics of Computer, Anatomy of Computer, Classification of Computers
<b>2<sup>nd</sup>Week of April</b>	Introduction, Number Systems and its types, and inter-conversion of Number Systems, ASCII and EBCDIC codes
<b>3rdWeek of April</b>	Concept of Input/Output, Types of Input Devices; ; Output Devices – Printers, Plotters and Monitors. Test-unit1
<b>4thWeek of April</b>	Characteristics of memory systems, memory hierarchy,Concept of Cache Memory and Virtual Memory, Software Types, Language translators, System Utility Software, Application Software; <b>Assignment1</b> -Types of Memory – RAM, ROM, etc.; Magnetic Disks, Magnetic Tapes, Optical Disks;
<b>1st Week of May</b>	Operating System – Characteristics, its functions, and its classification; User Interfaces – CUI and GUIs. DOS and Windows operating systems.
<b>2<sup>nd</sup>Week of May</b>	Using Word Processing: Opening and Closing of documents, Text creation and Manipulation, Moving Around in a Document, Formatting of text, Table handling, Spell check, language setting and thesaurus, Handling Multiple Documents, Printing of word document.
<b>3rdWeek of May</b>	Using Spreadsheet tool: Basics of Spreadsheet; Manipulation of cells, Formulas and Functions, Editing of Spread Sheet, Page setups, header and footer, printing of Spread Sheet.
<b>4thWeek of May</b>	Using Slide Presentation Tool: Basics of powerpoint, Preparation and Presentation of Slides, Slide Show, Formatting and Clip Arts, Taking printouts of presentation / handouts. Test-unit2
<b>1st Week of June</b>	Communication and Networks: Data Communication, Transmission Modes, Basics of Computer networks, <b>Assignment2</b> -types of computer network - LAN, MAN, WAN; Network Topologies and Applications of Computer Networks
<b>2<sup>nd</sup>Week of June</b>	Internet Basics: Concept of Internet, Application of Internet, WWW, Web-sites and URLs, Search Engine, Using Electronic mails, Instant Messaging, Web Browsing software, Surfing the Internet. Test-unit3

<b>3rd Week of June</b>	. Social Concern: Positive and Negative Impacts of Computer Technology, Computer Crimes, Computer Virus: Definition, <b>Assignment3</b> -Types of viruses, Characteristics of viruses, anti- virus software.
<b>4th Week of June</b>	Computer Applications: Data Analysis, Sports, Research, Education, Business, Medicines & Health Care, Weather Forecasting, Military

**Name of Assistant Professor:** Dr. Subita Kumari

**Class and Section:** M.Sc 2<sup>nd</sup> Sem

**Subject:** Object Oriented Programming Using C++

**Paper Code:** 16MCS22C2

**Lesson Plan:** 12 Weeks (April 2022 to June 2022)

<b>Week 1</b>
Object Oriented Programming Concepts: Procedural Language and Object Oriented Approach. Characteristics of OOP: Objects, classes, Encapsulation, Data Abstraction, Inheritance, Polymorphism, Dynamic Binding, Message Passing, Revision and assignment related to above topics
<b>Week 2</b>
Structure of C++ program: Data-types, Variables, Static Variables, Operators in C++, Arrays, Strings, Test of Unit 1
<b>Week 3</b>
Structure, Functions, Recursion, Control Statements, Classes: Class, object, Memory Allocation for Objects, memory layout of objects, Revision and assignment related to above topics
<b>Week 4</b>
Private, public, protected member functions, static members. Revision and assignment related to above topics
<b>Week 5</b>
Constructors: Features, types, dynamic constructor, Parameterized constructors; destructors. Test 2

<b>Week6</b>
Memorymanagement:DynamicMemoryallocation:new,delete,ObjectCreationat RunTime; This Pointer.
<b>Week7</b>
Inheritance:DerivedClassandBaseClass,DifferenttypesofInheritance, ProblemDiscussion
<b>Week8</b>

Overriding member function, Public and Private Inheritance, Ambiguity in Multiple inheritance, Virtual Inheritance, Abstract Class. Problem Discussion
<b>Week 9</b>
Polymorphism: Definition, operator overloading, Overloading Unary and Binary Operators, Test
<b>Week 10</b>
Function overloading, Virtual function, Friend function, Static function, Exception handling: Throwing, Catching, Re-throwing an exception, specifying exceptions; processing unexpected exceptions;
<b>Week 11</b>
Exceptions when handling exceptions, resource capture and release, Templates: Introduction; Class templates; Function templates; Overloading of template function, namespaces.
<b>Week 12</b>
Introduction to STL: Standard Template Library: benefits of STL; containers, adapters, iterators, vector, lists., Problem discussion, Sessional

## Lesson Plan

**Class - APGDCA (Sem. 2)**

**Faculty - Ms. Vandna**

**Subject - Visual C++**

**Lesson Plan Duration - From April 2022 to June 2022**

Time Period	Topics
<b>Week 1</b>	Visual C++ Basic: Introduction, Building a Basic Application, SDI and MDI. Assignment
<b>Week 2</b>	Writing text and drawing graphics, Message boxes, Keyboard and its messages, mouse and its messages.
<b>Week 3</b>	Visual C++ Resources Creating Icons, Cursor and Bitmaps.
<b>Week 4</b>	Menu and Accelerators, Toolbar, Status bar. Revision and taking queries of student, Test

<b>Week 5</b>	Programs in Visual C++, Introduction to Child Window Controls. Check boxes, buttons, list box
<b>Week 6</b>	Programs on button and list box, Static Control, Combo box, Edit box, Scroll bars. Assignment
<b>Week 7</b>	Dialog Box: model and modeless dialog box, mechanism of dialog box
<b>Week 8</b>	Property page and property sheet, Revision and taking queries of student, Test, Assignment
<b>Week 9</b>	Advance Window Controls: Toolbars up down controls, Spin control
<b>Week10</b>	Progress bar, Tree view, Tab controls, Tool tip
	Slider control, image list control. Revision and taking queries of student, Assignment, Test
<b>Week 11</b>	Working with Graphics, Consoles, Multitasking Process and Threads
<b>Week 12</b>	Clipboard Drag and Drops, Advance features of Windows Programming GDI Metafiles Sound API, DLL, Revision and taking queries of student, Test, Assignment
<b>Week 13</b>	<b>Revision, Presentation</b>

# Lesson Plan

**Class – Bcom Hons(Sem. 2)**

**Faculty - Ms. Vandna**

**Subject - : Introduction to Computer (Theory) BCH-2.06**

**Lesson Plan Duration - From April 2022 to June 2022**

Time Period	Topics
<b>Week 1</b>	Computer basic concepts: Definition and characteristics of a computer, Advantages of computer, Components of computer, Human-being Vs computer Difference between Computer and Calculator, Applications of computer, Generations of Computer Assignment
<b>Week 2</b>	Types of computer: Analog, Digital and Hybrid computers, Micro, Mini, Mainframe and Super Computers,
<b>Week 3</b>	Input devices and Output devices, Introduction to Computer memories: Primary storage, Secondary storage.
<b>Week 4</b>	Introduction to Software: Software Types, Systems Software, Types of Operating System, Application Software, Introduction to Programming Language: Types of Programming Language, Language Translators. Assignment
<b>Week 5</b>	Introduction to Software: Software Types, Systems Software, Types of Operating System, Application Software, Introduction to Programming Language: Types of Programming Language, Language Translators.
<b>Week 6</b>	Computer Network: Introduction, Network Elements, Advantages of Networking, Network Topologies, Communication Channels,
<b>Week 7</b>	Types of Computer Networks- LAN, MAN and WAN , Public and Private Network., Internet: Introduction, History of Internet, Benefits of the Internet, Hardware and Software requirement for Internet, Internet Applications or services of Internet
<b>Week 8</b>	Types of Internet Connection, Internet Addressing, Extranet and E-Mail, Mobile Computing Creating own document-, Formatting text and document, Mail Merge, Creating a Macro, Working with auto shapes, Export and Import File, Finding and replacing text, Spell Check and Grammar Check Assignment
<b>Week 9</b>	Working within tables- Adding, deleting, modifying rows and columns, Printing documents. Internet: Introduction, History of Internet, Benefits of the Internet, Hardware and Software requirement for Internet, Internet Applications or services of Internet, Types of Internet Connection, Internet Addressing,

	Extranet and E-Mail, Mobile Computing.
<b>Week10</b>	MS Excel: Features of MS Excel, Components of Worksheet, Menu Bars, Working with worksheets-cells-Entering ,editing, moving, copying, cutting, pasting, Inserting and deleting of cells, rows and columns, Formatting a worksheet, Formatting textual data, Creating and editing charts, Types of Chart
<b>Week 11</b>	Excel Functions, Goal Seek, validation, Pivot Table and Pivot Chart, Sort, Filter, Print the worksheet. Introduction to Database Systems: Basic concepts, Components of database, Advantage
<b>Week 12</b>	DBMS, Components of DBMS, Database Models, Microsoft Access: Create a database, Database Objects, Creating tables, Data Types, Sorting, Filtering and 17 Creating a relationships, Format a table, Creating and modifying a Form, Operators in Access, Designing Queries and Reports. P
<b>Week 13</b>	<b>Revision, Presentation</b>

## Lesson Plan

**Class - APGDCA (Sem. 2)**

**Faculty - Ms. Vandna**

**Subject - Visual C++**

**Lesson Plan Duration - From April 2022 to June 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week 1</b>	Visual C++ Basic: Introduction, Building a Basic Application, SDI and MDI. Assignment
<b>Week 2</b>	Writing text and drawing graphics, Message boxes, Keyboard and its messages, mouse and its messages.
<b>Week 3</b>	Visual C++ Resources Creating Icons, Cursor and Bitmaps.
<b>Week 4</b>	Menu and Accelerators, Toolbar, Status bar. Revision and taking queries of student, Test



<b>Week 5</b>	Programs in Visual C++, Introduction to Child Window Controls. Check boxes, buttons, list box
<b>Week 6</b>	Programs on button and list box, Static Control, Combo box, Edit box, Scroll bars. Assignment
<b>Week 7</b>	Dialog Box: model and modeless dialog box, mechanism of dialog box
<b>Week 8</b>	Property page and property sheet, Revision and taking queries of student, Test, Assignment
<b>Week 9</b>	Advance Window Controls: Toolbars up down controls, Spin control
<b>Week10</b>	Progress bar, Tree view, Tab controls, Tool tip
	Slider control, image list control. Revision and taking queries of student, Assignment, Test
<b>Week 11</b>	Working with Graphics, Consoles, Multitasking Process and Threads
<b>Week 12</b>	Clipboard Drag and Drops, Advance features of Windows Programming GDI Metafiles Sound API, DLL, Revision and taking queries of student, Test, Assignment
<b>Week 13</b>	<b>Revision, Presentation</b>

# Lesson Plan

**Class – Bcom Hons(Sem. 2)**

**Faculty - Ms. Vandna**

**Subject - : Introduction to Computer (Theory) BCH-2.06**

**Lesson Plan Duration - From April 2022 to June 2022**

Time Period	Topics
<b>Week 1</b>	Computer basic concepts: Definition and characteristics of a computer, Advantages of computer, Components of computer, Human-being Vs computer Difference between Computer and Calculator, Applications of computer, Generations of Computer Assignment
<b>Week 2</b>	Types of computer: Analog, Digital and Hybrid computers, Micro, Mini, Mainframe and Super Computers,
<b>Week 3</b>	Input devices and Output devices, Introduction to Computer memories: Primary storage, Secondary storage.
<b>Week 4</b>	Introduction to Software: Software Types, Systems Software, Types of Operating System, Application Software, Introduction to Programming Language: Types of Programming Language, Language Translators. Assignment
<b>Week 5</b>	Introduction to Software: Software Types, Systems Software, Types of Operating System, Application Software, Introduction to Programming Language: Types of Programming Language, Language Translators.
<b>Week 6</b>	Computer Network: Introduction, Network Elements, Advantages of Networking, Network Topologies, Communication Channels,
<b>Week 7</b>	Types of Computer Networks- LAN, MAN and WAN , Public and Private Network., Internet: Introduction, History of Internet, Benefits of the Internet, Hardware and Software requirement for Internet, Internet Applications or services of Internet
<b>Week 8</b>	Types of Internet Connection, Internet Addressing, Extranet and E-Mail, Mobile Computing Creating own document-, Formatting text and document, Mail Merge, Creating a Macro, Working with auto shapes, Export and Import File, Finding and replacing text, Spell Check and Grammar Check Assignment
<b>Week 9</b>	Working within tables- Adding, deleting, modifying rows and columns, Printing documents. Internet: Introduction, History of Internet, Benefits of the Internet, Hardware and Software requirement for Internet, Internet Applications or services of Internet, Types of Internet Connection, Internet Addressing,

	Extranet and E-Mail, Mobile Computing.
<b>Week10</b>	MS Excel: Features of MS Excel, Components of Worksheet, Menu Bars, Working with worksheets-cells-Entering ,editing, moving, copying, cutting, pasting, Inserting and deleting of cells, rows and columns, Formatting a worksheet, Formatting textual data, Creating and editing charts, Types of Chart
<b>Week 11</b>	Excel Functions, Goal Seek, validation, Pivot Table and Pivot Chart, Sort, Filter, Print the worksheet. Introduction to Database Systems: Basic concepts, Components of database, Advantage
<b>Week 12</b>	DBMS, Components of DBMS, Database Models, Microsoft Access: Create a database, Database Objects, Creating tables, Data Types, Sorting, Filtering and 17 Creating a relationships, Format a table, Creating and modifying a Form, Operators in Access, Designing Queries and Reports. P
<b>Week 13</b>	<b>Revision, Presentation</b>

**Name of Assistant Professor: Lalita Yadav**

**Class and Section: BCA 4<sup>th</sup> Sem**

**Subject: OOPs**

**Paper Code: 208**

**Lesson Plan: April 1 to June 30**

Week 1:
Object Oriented Programming Concepts : Procedural Language and Object Oriented approach, Characteristics of OOP, user defined types, polymorphism and encapsulation.
Week 2:
Getting started with C++: syntax, data types, variables, string, function,
<b>Week 3:</b>

namespace and exception, operators, flow control, recursion, array and pointer,
Week 4 :
UNIT-II Abstracting Mechanism: classes, private and public, Constructor and Destructor , member function, static members, references
Week 5 :
Memory Management: new, delete, object copying, copy constructor, assignment operator, this input/output
Week 6 :
UNIT-III Inheritance and Polymorphism: Derived Class and Base Class, Different types of Inheritance,
Week 7 :
Overriding member function, Abstract Class, Public and Private Inheritance, Ambiguity in Multiple inheritance ,
Week 8 :

Virtual function, Friend function, Static function.
Week 9 :
UNIT-IV Exception Handling: Exception and derived class, function exception declaration,
Week 10 :
unexpected exception, exception when handling exception, resource capture and release.
Week 11 :
Template and Standard Template Library: Template classes, declaration,
Week 12 :
template functions, namespace, string, iterators, hashes, iostreams and other types,
.
Week 13 :
Revision , Assignment and Test .

**Name of Assistant Professor: Lalita Yadav**

**Class and Section: B.Sc 4<sup>th</sup> Sem**

**Subject: Operating Systems**  
**Paper Code: 4.2**

**Lesson Plan:** April 1 to June 30

Week 1:
Introductory Concepts: Operating system functions and characteristics, historical evolution of operating systems,
Week 2:
types of Operating System: Real time, Multiprogramming, Multiprocessing, Batch processing, Methodologies for implementation of O/S service

Week 3 :
system calls, system programs.Process management: Process concepts, Assignment and Test.
Week 4 :
operations on processes, Process states and Process Control Block. CPU Scheduling: Scheduling criteria, Levels of Scheduling, Scheduling algorithms,
Week 5 :
Multiple processor scheduling. Deadlocks: Deadlock characterization, Deadlock prevention and avoidance. Assignment .
Week 6 :
Concurrent Processes: Critical section problem, Semaphores, Classical process co-ordination problems and their solutions.
Week 7 :
Inter-process Communications. Storage Management: memory management of single-user and multi-user operating system, partitioning,
Week 8 :

swapping, paging and segmentation, Thrashing.
Week 9 :
File management: File Systems: Functions of the system . Assignment
Week 10 :
File access methods and Test
Week 11 :
allocation methods: Contiguous, allocation, linked, indexed allocation
Week 12 :
Directory Systems: Structured Organizations, directory and file protection mechanisms.
Week 13 :
Revision , Assignment and Test .

## **Lesson Plan April – June 2022**

### **Physics Dept**

Name: Ms. pooja

Class: B.Sc.( Hons) 2nd Sem

Paper code: Phy- 203

Subject Name: ***magnetism***

Number of days: 1-3

01 April – 01 May	Magnetic force between current elements, definition of B, Properties of B, Ampere's Circuital Law, Curl and divergence of B, vector potential, Magnetic flux, calculation of B for circular and solenoid currents, Torque on a current loop in a uniform magnetic field, Continue...., numericals
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02 May – 02 June	Magnetic dipole, Force on an isolated moving charge, B, H and their relation. Magnetic susceptibility, Stored magnetic energy in matter, Magnetic circuit B-H curve and energy loss in hysteresis, Numerical problems, test and assignment, A conducting rod moving through a uniform magnetic field, A loop through on uniform magnetic field.
03 June – 20 June	A stationary loop with field source moving, Faraday's law of induction. Curl E-D B/dt, Mutual induction – reciprocity theorem ( $M_{12} = M_{21}$ ) Self induction, energy stored in magnetic field.

## **Lesson Plan April- June 2022**

Name: Mrs.Renu Kumari

Class: B.Sc. Physics (H) Semester-II

Paper code: Phy-202

Subject Name: ***Mechanics***

Number of days: 1-3

1 April- 1 May	Law of gravitation. Inertial and gravitational mass, Potential energy and field due to spherical shell and solid sphere. Self-energy, Motion of a particle under central force field Angular momentum conservation one body problem, two body problem and its reduction to one body problem and its solution, The energy equation and energy diagram. Kepler's laws. Satellites.
2 May- 2 June	Inertial frame and Galilean transformation, Non-inertial frame and fictitious forces. Uniformly accelerating system, Physics in rotating coordinate systems, centrifugal and Coriolis forces. Michelson-Morley experiment and its outcome. Postulates of special theory of relativity. Lorentz transformations. Simultaneity and order of events. Lorentz contraction
3 June-20 June	Time dilation. Relativistic transformation of velocity, Velocity dependence of mass and equivalence of mass and energy, Transformation of energy and momentum

## **Lesson Plan April- June 2022**

Name: Mrs.Renu Kumari

Class: B.Sc. Physics (H) Semester-II

Paper code: Phy-201

Subject Name: ***Mathematical Physics***



Number of days: Thursday, Friday, Saturday

1 April- 1 May	Classification of differential equations: linear and nonlinear, homogeneous and non-homogeneous equations, First order: Separable and exact equations. Integrating factor, Second Order: Homogeneous equations with constant coefficient's Wronskian, General solution Statement of Existence and Uniqueness theorem for initial value problems, Solution of non-homogeneous equations by operator (D) method. Particular integral.
2 May- 2 June	Method of undetermined coefficients and variation of parameters Equations reducible to those with constant coefficient. Fourier series, Dirichlet conditions (Statement only) Orthogonality of sine and cosine functions, Sine and cosine series. Distinctive features of Fourier expansions. Half-range expansions.
3 June-20 June	Applications Square wave triangular wave, output of full wave rectifier and other simple functions Summary of infinite series, Systematic and random errors. Propagation of errors, Standard and probable error. Least square fitting of data (linear case).

### **Lesson Plan April- June 2022**

Name: Ms. SANKET

Class: B.Sc. Physics (H) Semester-II

Paper code: Phy-206

Subject Name: Linear and Digital Integrated Circuits & Instrumentation-II

Number of days: Thursday, Friday, Saturday

1 April- 1 May	Sequential circuits: flip-flops – RS, JK , D, clocked, preset and clear operation race-around conditions in JK Flip-flop, master slave JK flip-flop as building block of sequential circuits., Class test , Shift registers: Serial-in-serial-out, serial-in-parallel-out parallel-in-parallel-out, parallel-in-parallel-out (only upto 4 bits).Counters: Asynchronous counters, synchronous counter ,decade counter D/A and A/D conversion: D/A converter-resistive network, accuracy and resolution, assignment., A/D converter (only counter method) – accuracy and resolution
2 May- 2 June	Timer: Simple applications of 555 timer circuits ,Timer continues. class test. Power supply: requirement of ideal voltage and current source, voltage source, half-wave and full-wave rectifier,bridge rectifier, L and C filters, some idea of ripple.Oscilloscope: Input attenuators, DC, AC and ground, horizontal and vertical deflecting system, test. time base generation and synchronization

3 June-20 June	measurement of positive, positive-negative wave shape, rise time and fall time; frequency amplitude and phase of sinusoidal waves <i>Revision and test</i>
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## **Lesson Plan**

**(April - June 2022)**

Name: Dr. Manju Vashistha,

Class: B.Sc I(NM) 2<sup>nd</sup> Sem, Sec A, Sec B, Sec C

Paper code: Phy-201

Subject Name: Properties of Matter, Kinetic theory, Relativity

Number of days: 4-6, 1 -3

.Week	Syllabus covered
01 April -01May	Unit I introduction, elasticity, Hooke's law, elastic constants and their relations, Poisson's ratio Torsion of cylinder and twisting couple bending of beam, Cantilevers, centrally loaded beam, Test and assignment of unit I, introduction to unit II, assumptions of kinetic theory of gases, Law of equipartition of energy and its applications for specific heats of gases
02May –02 June	Maxwell distribution of speeds and velocities, experimental verification of Maxwell's law of speed distribution, Most probable speed, average and r.m.s speed, mean free path, Transport of energy and momentum, diffusion of gases, Brownian motion Real gases, van der Waal's equation, Test and assignment of unit II, introduction to unit III, reference systems, inertial frames, Michelson-Morley experiment: search for ether, Lorentz transformations
03 June – 20 June	Length contraction, time dilation, velocity addition theorem, Variation of mass with velocity and mass energy equivalence. <i>Revision and test</i>

## **Lesson Plan**

**(April -June 2022)**

Name: Dr. Sonu Kumar,

Class: B.Sc I(NM) 2<sup>nd</sup> Sem, Sec A, Sec B, Sec C

Paper code: Phy-202

Subject Name: Electro Magnetic Induction and Electronic Devices

Number of days: 4-6, 1 -3

Month	Syllabus covered
01 April -01May	<b>Electromagnetic Induction</b> : Growth and decay of current in a circuit with (a) Capacitance and resistance (b) resistance and inductance (c) Capacitance and inductance (d) Capacitance resistance and inductance. AC circuit analysis using complex variables with (a) capacitance and resistance, (b) resistance and inductance (c) capacitance and inductance (d) capacitance, inductance and resistance Series and parallel resonant circuit. Quality factor (Sharpness of resonance).
02May –02 June	<b>Semiconductor Diodes</b> : Energy bands in solids. Intrinsic and extrinsic semiconductor, Hall effect, P-N junction diode and their V-I characteristics. Zener and avalanche breakdown. Resistance of a diode, Light Emitting diodes (LED). Photo conduction in semiconductors, Photo diode, Solar Cell. <b>Diode Rectifiers</b> : P-N junction half wave and full wave rectifier. Types of filter circuits (L and - with theory). Zener diode as voltage regulator, simple regulated power supply.
03 J une – 20 June	<b>Transistor Amplifiers</b> : Transistor biasing, methods of Transistor biasing and stabilization. D.C. load line. Common-base and common-emitter transistor biasing. Common-base, Common emitter amplifiers. Classification of amplifiers. Resistance-capacitance (R-C) coupled amplifier  Feed-back in amplifiers, advantage of negative feedback Emitter follower. Oscillators : Oscillators, Principle of Oscillation, Classification of Oscillator. Condition for self sustained oscillation: Barkhausen Criterion for oscillations. Tuned collector common emitter oscillator. Hartley oscillator. Colpitt's oscillator. <i>Revision and test</i>

### **Lesson Plan April – June 2022**

Name: Ms. pooja

Class: B.Sc.( Hons) 4th Sem

Paper code: Phy- 403

Subject Name: ***vibration and wave optics***

Number of days: 4-6

01 April – 01 May	Kirchhoff's integral theorem and kirchoff laws, Fresnel-Kirchhoff integral formula, its application to diffraction problems, Fraunhofer diffraction, Single slit, rectangular slit, circular aperture. Multiple slit.
02 May – 02 June	Plane diffraction grating, Resolving power and depressive power of a plane diffraction, Fresnel diffraction, Fresnel's integrals, Cornu's spiral, Fresnel diffraction pattern at a straight edge, a slit and a wire.

03 June – 20 June	wire (qualitatively using Cornu's spiral, holography recording and reconstruction method and its theory as interference between two plane waves, reconstruction method and its theory as interference between two plane waves.
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### **Lesson Plan April 2022**

Name: Pardeep Kumar

Class: B.Sc. 4th Sem (Hons.)

Paper code: Phy- 404

Subject Name: **Atomic and Nuclear Physics**

Number of days: 4-6

01 April – 01 May	Atoms in electric and magnetic fields: Electron spin. Stern-Gerlach experiment, magnetic field from classical view point, Orbital angular momentum, dipole moment and energy in Zeeman effect. Spin-orbit coupling. Fine structure. Total angular Momentum, Many-electron atoms: Pauli exclusion principle, Many particles in one dimensional box. Vector model. L-S and jj coupling
02 May – 02 June	Symmetric and ant symmetric wave functions. Atomic shell model Doublet Structure of alkali spectra. Empirical evidence of multiples, Selection rules, Properties: mass, size, angular momentum, constituents, binding energy, stability.
03 June – 20 June	Models: Liquid drop model. Mass formula. radioactivity : Law of radioactive decay. Theory of successive radioactive, Numerical Problems Transformations. Radioactive series (mention the series-diagram not needed) Periodic table, Spectral notations for atomic states, Shell model, nuclear forces.

### **Lesson Plan April-June 2022**

Name: Ms. Anju Rani

Class: B.Sc.2<sup>nd</sup> Physics (H) Semester-IV

Paper code: Phy-401

Subject Name: Mathematical Physics-II

Number of days: Monday, Tuesday, Wednesday

1 April- 1 May	Gamma and Beta functions. Legendre, hermite and Laguerre Polynomials: Rodrigues formulae, generating functions, recurrence relations, orthogonality. Series expansion of a function in terms of a complete set of Legendre functions. Bessel functions : first and second kind. Generating function, recurrence formulas, zeros of Bessel functions and orthogonality. Fraunhofer diffraction integral for circular aperture. Problems and Test.
2 May- 2 June	General solution of wave equation in 1 dimension. Transverse vibration of stretched string. Oscillation of hanging chain. Wave equation in 2 and 3 dimensions. Vibrations of rectangular and circular membrane. Derivation of the equation of heat conduction. Derivation of the equation of heat conduction. Heat flow in one-two-and three dimensional rectangular systems of finite boundaries, Temperature inside circular plate.
3 June- 20 June	Laplace equation in Cartesian, cylindrical and spherical coordinate systems. Problems of steady flow of heat in rectangular and circular plate. Gravitational potential of a ring. <i>Revision And Test</i>

## **Lesson Plan April-June 2022**

Name: Ms. SANKET

Class: B.Sc. Physics (H) Semester-IV

Paper code: Phy-402

Subject Name: Thermal Physics-II

Number of days: Monday, Tuesday, Wednesday

1 April- 1 May	Zeroth and first law of thermodynamics, Reversible and irreversible processes. Conversion of heat into work Carnot theorem, test , Second law of thermodynamics, Thermodynamic temperature, assignment Clausius inequality. Entropy changes in reversible and irreversible processes , Temperature-entropy diagrams. Test, The principle of increase of entropy & its applications
2 May- 2 June	Thermodynamic potentials: Enthalpy, Gibbs and Helmholtz functions. Maxwell relations and their applications. Magnetic work. class test. Magnetic cooling by adiabatic demagnetization, approach to absolute zero ,change of phase, equilibrium between a liquid and its vapour. Clausius-Clapeyron equation.

3 June- 20 June	The triple point with examples from physics. test. Second order phase transitions <i>Revision And Test</i>
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### **Lesson Plan : April – June, 2022**

Name: Mrs. Neeraj Kadian

Class: B.Sc II (NM) 4th Sem, Sec A, Sec B ,Sec C

Paper code: Phy-402

Subject Name: Optics

Number of days: 1-3, 4-6

1 April -30 April	Introduction to unit I, Interference by division of amplitude: Colour of thin films, wedge shaped film, Newton's ring Continue ,Michelson Interferometers,Fresnel's Diffraction- half period zone, zone plate, diffraction at a straight edge Rectangular slit and circular aperture, test and assignment
1 May -25 May	Introduction to unit II, Fraunhofer diffraction-one slit, two slit, N-slit Plane transmission grating spectrum , dispersive power of a grating Limit of resolution, rayleigh's criterion Resolving power of telescope and a grating test and assignment of unit II,
26 May – 15 June	Introduction to unit III, polarisation and double refraction Polarisation by reflection and scattering, Malus law, huygen's wave theory of double refraction,Analysis of polarised light- nicol prism, quarter wave plate and half wave plate ,Production and detection of plane, circularly and elliptical polarized light , optical activity, fresnel's theory of rotation, specific rotation Polarimeters. Revision and Tests

### **Lesson Plan April 2022**

Name: Mr. Vikas

Class: B.Sc.(Non Med) 4<sup>th</sup> Sem, Sec A, Sec B, Sec C

Paper code: Phy- 401

Subject Name: Statistical Physics

Number of days: 4-6, 1-3

01 April – 01 May	Probability, some probability considerations, combinations possessing maximum probability, combinations possessing minimum probability, distribution of molecules in two boxes. Case with weightage (general), assignment, Phase space, microstates and macrostates,
02 May – 02 June	statistical fluctuations constraints and accessible States Thermodynamical probability, Postulates of Statistical Physics. Division of Phase space into cell, test, Condition of equilibrium between two system in thermal contact. b-Parameter, Entropy and Probability, Boltzman's distribution law. Evaluation of A and b. Bose-Einstein statistics, Application of B.E. Statistics to Plancks's radiation law, B.E. gas.
03 June – 20 June	Fermi-Dirac statistics, M.B. Law as limiting case of B.E. Degeneracy and B.E., Condensation. F.D. Gas, test, electron gas in metals. Zero point energy, Specific heat of metals and its solution.

### **Lesson Plan April 2022**

Name: Pardeep Kumar

Class: B.Sc. 6th Sem (Sec A) Non med.

Paper code: Phy- 602

Subject Name: Nuclear Physics

Number of days: 1-3

01 April – 01 May	Nuclear mass and binding energy, systematics nuclear binding energy, nuclear stability, Nuclear size, spin, parity, statistics magnetic dipole moment, quadrupole moment (shape concept), Determination of mass by Bain-Bridge, Bain-Bride and Jordan mass spectrograph, Determination of charge by Mosley law Determination of size of nuclei by Rutherford Back Scattering, Interaction of heavy charged particles (Alpha particles), alpha disintegration and its theory Energy loss of heavy charged particle
02 May – 02 June	Energetics of alpha-decay, Range and straggling of alpha particles. Geiger-Nuttal law. Introduction of light charged particle (Beta-particle), Origin of continuous beta-spectrum (neutrino hypothesis) types of beta decay and energetics of beta decay, Energy loss of betaparticles (ionization), Range of electrons, absorption of beta-particles, Interaction of Gamma Ray, Nature of gamma rays, Energetics of gamma rays, passage of Gamma radiations through matter (photoelectric, compton and pair production effect) electron position
03 June – 20 June	neutrino hypothesis) types of beta decay and energetics of beta decay, Energy loss of betaparticles (ionization), Range of electrons, absorption of beta-particles. annihilation. Absorption of Gamma rays (Mass attenuation coefficient) and its application, Nuclear reactions, Elastic scattering, Inelastic scattering, Nuclear disintegration, photonuclear reaction, Radiative capture, Direct reaction, heavy ion reactions and spallation Reactions, conservation laws. Q-value and reaction threshold, Nuclear Reactors General aspects of Reactor design. Nuclear fission and fusion reactors, (Principles, construction, working and use) Linear accelerator, Tandem accelerator, Cyclotron and Betatron accelerators, Ionization

	chamber, proportional counter, G.M. counter detailed study, scintillation counter, Semiconductor detector.
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## **Lesson Plan Jan 2022**

Name: Sanehaa

Class: B.Sc. 6th Sem (Sec B&C )Non med.

Paper code: Phy- 602

Subject Name: Nuclear Physics

Number of days:1-6

1 April- 1 May	<p>Nuclear mass and binding energy, systematics nuclear binding energy, nuclear stability Nuclear size, spin, parity, statistics magnetic dipole moment, quadrupole moment (shape concept) Determination of mass by Bain-Bridge, Bain-Bride and Jordan mass spectrograph, Determination of charge by Mosley law Determination of size of nuclei by Rutherford Back Scattering. Interaction of heavy charged particles (Alpha particles), alpha disintegration and its theory Energy loss of heavy charged particle Energetics of alpha-decay, Range and straggling of alpha particles. Geiger-Nuttal law.Introduction of light charged particle (Beta-particle)</p>
2 May -2 June	<p>Origin of continuous beta-spectrum (neutrino hypothesis) types of beta decay and energetics of beta decay, Energy loss of betaparticles (ionization), Range of electrons, absorption of beta-particles. Interaction of Gamma Ray, Nature of gamma rays, Energetics of gamma rays, passage of Gamma radiations through matter (photoelectric, compton and pair production effect) electron position neutrino hypothesis) types of beta decay and energetics of beta decay, Energy loss of betaparticles (ionization), Range of electrons, absorption of beta-particles. annihilation. Absorption of Gamma rays (Mass attenuation coefficient) and its application.</p>
3 June- 20 June	<p>Nuclear reactions, Elastic scattering, Inelastic scattering, Nuclear disintegration, photonuclear reaction Radiative capture, Direct reaction, heavy ion reactions and spallation Reactions, conservation laws. Q-value and reaction threshold Nuclear Reactors General aspects of Reactor design. Nuclear fission and fusion reactors (Principles, construction, working and use) Linear accelerator, Tandem accelerator, Cyclotron and Betatron accelerators. Ionization chamber, proportional counter, G.M. counter detailed study, scintillation counter Semiconductor detector.</p>
	<i>Revision and test</i>

## **Lesson Plan April-June 2022**



Name: Dr. Suman

Class: B.Sc. Pass course 6<sup>th</sup> Sem

Paper code: Phy- 601

Subject Name: Atomic, Molecular And Laser Physics

Sec. A (4-6) and Sec. B (1-3)

1 April – 1 May	Vector atom model, quantum numbers associated with vector atom model, penetrating and nonpenetrating orbits (qualitative description spectral lines in different series of alkali spectra, spin orbit interaction and doublet term separation LS or Russell-Saunders Coupling jj coupling (expressions for interaction energies for LS and jj coupling required) , test Zeeman effect (normal and Anomalous) Zeeman pattern of D 1 and D2 lines of Na-atom,
2 May- 2 June	Paschen, Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom. Discrete set of electronic energies of molecules, assignment , quantisation of Vibrational and rotational energies Raman effect (Quantitative description), Stokes and anti Stokes lines. Test , Main features of a laser : Directionality, high intensity, high degree of coherence, spatial and temporal coherence Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level, kinetics of optical absorption.
3 June -20 June	Threshold condition for laser emission, Laser pumping He-Ne laser and RUBY laser (Principle, Construction and Working). Applications of laser in the field of medicine and industry. <i>Revision and test</i>

### **Lesson Plan April-June 2022**

Name: Mrs. Anju Rani

Class: B.Sc.3<sup>rd</sup> Year Pass course (6<sup>th</sup> Sem )

Paper code: Phy- 601

Subject Name: Atomic, Molecular and Laser Physics

Number of days: 4-6 (Sec.-C)

1 April – 1 May	Vector atom model, quantum numbers associated with vector atom model, penetrating and non-penetrating orbits (qualitative description), spectral lines in different series of alkali spectra, spin orbit interaction and doublet term separation, LS or Russell-Saunders Coupling jj coupling (expressions for interaction energies for LS and jj coupling required), Zeeman effect (normal and anomalous), Zeeman pattern of D1 and D2 lines of Na-atom.
2 May- 2 June	Paschen Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom. Discrete set of electronic energies of molecules, assignment, quantisation of Vibrational and rotational energies, Raman effect (Quantitative description), Stokes' and anti-Stokes' lines. Test. Main features of a laser : Directionality, high intensity, high degree of coherence, spatial and temporal coherence,
3 June -20 June	Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level, kinetics of optical absorption. Threshold condition for laser emission, Laser pumping, He-Ne laser and RUBY laser (Principle, Construction and Working). Applications of laser in the field of medicine and industry. <i>Revision and test</i>

## **Lesson Plan**

### **Session 2021-22 (1 April 2022-20 June 2022)**

Name: Dr. Sonu Kumar

Class: B.Sc. Ist year 2<sup>th</sup> Sem (Home Science)

Paper code:202

Subject Name:Physics

Number of days:1-3 days

01 April -01May	Properties of solids - a) Density, specific gravity, elasticity, hardness, malleability, ductility. b) Properties of liquids :- Surface tension, capillary action, Archimedes principle, specific gravity of liquids Properties of gases :- Elasticity, compressibility, atmospheric pressure, Simple machines – Mechanical advantages, efficiency lever, screw pulleys, scissors, beaters
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02May –02 June	<p>Friction:- Friction ,advantages and disadvantages, concepts of ball bearing, sewing floor scrubbing machines Centripetal and centrifugal forces, spin dryer in washing machine.</p> <p>Air appliances :- Vacuum cleaner. Static and current electricity, Basic electrical circuits ,units of electrical measurement ,ohm's law and parallel circuits</p> <p>Sources of electricity – Dry and storage battery ,grouping of cells ,generator, thermocouple, Thermal effect- Seebeck effect, thermoelectric thermometer, fuse circuit breaker, toaster,geysers hot plate, water heater, water boiler, steam iron</p>
03 June – 20 June	<p>. Induced Current: - Transformer. House wiring :- Transfer of energy from the PowerPoint to home , kilowatt hour, Meter distribution of current to the house number of circuits in a house, methods of installing the wiring circuits and switches</p> <p>. Introduction to heat :- Unit of heat, Source and properties of heat , heat and temperature</p> <p>Heat transfer, humidity, relative humidity and dew point. Application of heat transfer household thermometers, pressure cooker, vaccum coffee maker.</p> <p>Refrigeration :- Refrigerator , Compressor and absorption type cold storage plants.</p>

## **Lesson Plan Session 2022**

Name: Miss Sanehaa

Class: B.Sc.( Hons) 6<sup>th</sup> Sem

Paper code: Phy- 605

Subject Name: ***Electronic devices: Physics and applications-II***

Number of days: 1-3

1 April-1May	<p>Amplifiers – Only bipolar junction transistor, CB, CE and CC configurations</p> <p>Singlestage CE amplifier (biasing and stabilization circuits, Q-point, equivalent circuit, input impedance, output impedance, voltage and current gain)</p> <p>Class A, B, C amplifiers (definitions)RC coupled amplifiers (frequency response, Boe plot, amplitude and phase) Class B push-pull amplifier</p>

2 May -2 June	Feedback in amplifiers – Voltage feedback and current feedback Effect of negative voltage series feedback on input impedance, output impedance and gain, stability distortion and noise, Feedback in amplifiers cont.... Oscillators – barkhausen criterion, Colpitts, phase shift
3 June -20 June	crystal oscillators. Multivibrators , Basic circuits of astable, bistable and monostable multivibrators Multivibrators cont....Details of astable multivibrators (Derivation of time period). Multivibrators cont... problems, Sweep circuits Sweep circuit using transistor as a switch and UJT (derivation of time period).
	<i>Revision and tests</i>

## **Lesson Plan April-June 2022**

Name: Mrs. EKTA

Class: B.Sc.( Hons) 6<sup>th</sup> Sem

Paper code: Phy-602

Subject Name: ***Electromagnetic Theory-II***

Number of days: 1-3

1 April- 1 May	Polarization of e.m. waves, Description of linear, circular and elliptical polarization, Propagation of e.m waves in anisotropic media Symmetric nature of dielectric tensor, Fresnel's formula. Light propagation in uniaxial crystal, Double refraction. Nicol prism, Production of circularly and elliptically polarized light.
2 May- 2 June	Babinet compensator. Analysis of polarized light, Wave guides. Coaxial transmission line, Modes in rectangular wave guide Energy flow and attenuation in wave guides, Rectangular resonant caves, Planar optical wave guides Planar dielectric wave guide.
3 June -20 June	Condition of continuity at interface. Phase shift on total reflection, Eigen value equations, phase and group velocity of the guided waves, Field energy and power transmission.

### **Lesson Plan April-June 2022**

Name: Mrs. EKTA

Class: B.Sc. ( Hons) 6<sup>th</sup> Sem

Paper code: Phy-601

Subject Name: **Mathematical Physics -II**

Number of days: 4-6

1 April- 1 May	Cartesian Tensors, Transformation of co-ordinates. Tensorial character of physical quantities. Symmetric and anti-symmetric tensors. Contraction and differentiation, Pseudotensors, Kronecker and alternating tensors, Step function and Dirac delta function, Fourier transform, Fourier integral theorem, Sine and cosine transforms
2 May- 2 June	Convolution theorem, Solution of one dimensional diffusion and wave equations, Heat flow in an infinite and semi-infinite rod. Laplace transform, Transform of elementary functions, Derivatives and integrals, Unit step function, Periodic function, Translation substitution and Convolution theorem
3 June -20 June	Solution of first and second order ordinary differential equations Solution of partial differential equations, Evaluation of integrals using transforms.

## **Lesson Plan April 2022**

Name: Mr. Vikas Sharma

Class: B.Sc.( Hons) 6<sup>th</sup> Sem

Paper code: Phy-604

Subject Name: *Physics of Materials-II*

Number of days: 4-6

1 April- 1 May	Dielectric Properties of Materials.Polarization, Local electric field at an atom. Depolarization field, Lorentz fields of dipoles inside a cavity. Dielectric constant and polarizability: Electric susceptibility,polarizability,
2 May- 2 June	Clausius-Mosotti equation. Qualitative discussion of ferroelectric properties of materials P-E hysteresis loop, Qualitative description of free electron theory Inadequacies of free electron theory with reference to Hall effect and specific heat of electrons in a metal.
3 June -20 June	Elementary band theory-Bloch theorem, Kronig-Penney model Difference between conductors, semiconductors and Insulators Band gaps Effective mass of electron, concept of hole, Types of semiconductor Action conductivity in semiconductors Mobility of carriers (lattice & semiconductors (qualitative)).
	<i>Revision and test</i>

## **Lesson Plan 2021-2022** (April 2022-June 2022)

Name: Ms. Neha

Class: B.Sc. Physics (H) Semester-VI

Paper code: Phy-606

Subject Name: Nano Physics

Number of days: 4-6

1 April – 30 April	Introduction of nano technology, particle size determination, XRD, PL and Raman spectroscopy for nano particles
2 May – 30 May	Increase in width of nano particles, Top – Down and Bottom –Up approach, Ball milling
1 June – 20 June	Method of synthesis of nano- particles, revision

## **Lesson Plan 2021-2022**

**(April 2022-June 2022)**

Name: Ms. Neha

Class: B.Sc. Physics (H) Semester-VI

Paper code: Phy-603

Subject Name: Statistical Physics

Number of days: Monday, Tuesday, Wednesday

1 April – 30 April	Introduction of Statistical physics, Bose – Einstein Statistic, Thermodynamics functions of boson gas and photon gas, B-E condensation,
2 May – 30 May	Hydrogen para and ortho , Fermi- Dirac Statistics, thermodynamic function of fermion gas, electron gas
1 June – 20 June	Specific heat of electrons, Fermi energy, revision

## LESSON PLAN

### History Department For UG Classes

#### LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 2nd Semester  
 Paper : **History of India (1200AD-1707 A.D.)**  
 Teacher's Name : **Mr. Naresh Chander**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Reconstructing and Interpreting Medieval India:</li> <li>Definition; Sources</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Delhi Sultanate: Establishment and Consolidation under Early Turks::</li> <li>Aibak</li> <li>Iltutmish</li> <li>Balban</li> <li>Expansion of Delhi Sultanate under Khaljis and Tughlaqs.</li> </ul> <b>Maps :</b> Extent of Sultanate under Allauddin Khalji <b>Maps :</b> Urban Centres during Sultanate period.
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Disintegration of Delhi Sultanate.</li> <li>India on the eve of Babar's invasion: His major achievements.</li> <li>Second Afghan Empire: Shershah Suri and His major achievements</li> </ul> <b>Maps :</b> Political Condition on the eve of Babar's Invasion. <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>Consolidation and Expansion of Mughal Empire: Akbar, Jahangir, Shahjahan, Aurangzeb.</li> </ul> <b>Maps:</b> India under Akbar (1605 A.D.) <b>Maps:</b> India under Aurangzeb (1707 A.D.)
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Administrative Institutional Developments:</li> <li>Iqtadari, Mansabdari.</li> <li>Economic Aspects during Medieval Period</li> <li>Land Revenue System</li> <li>Industries, Trade and Commerce.</li> </ul>
	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Socio-Religious Life during Medieval Period</li> <li>Bhakti Movement</li> </ul>



June 2022		<ul style="list-style-type: none"> <li>• Sufi Movement</li> <li>• Din-e-Ilahi</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	Art and Architecture. <ul style="list-style-type: none"> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 4<sup>th</sup> Semester  
 Paper : **History of Haryana**  
 Teacher's Name : **Mr. Naresh Chander**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Regional Study: A case of Haryana</li> <li>• General Survey of sources of the History of Haryana: A brief Survey</li> <li>• Stone Age in Haryana</li> <li>• MCQ and Revision</li> </ul> <b>Maps :</b> Main centres of Harappan Civilization in Haryana
	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Harappan Civilization General features</li> </ul> Towards State Formation <ul style="list-style-type: none"> <li>• Kurus. Historicity of the battle of Mahabharata</li> <li>• Rise of Republics : Yaudheyas and Agras</li> <li>• Rise of Powers during Early Medieval Period</li> <li>• (a) Pushpabhutis (b) Tomaras</li> </ul> <b>Maps :</b> Haryana at the time of Harshavardhana
April 2022	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Battles and Revolts during Medieval Period</li> <li>• Battles of Tarain and their impact</li> <li>• Battles of Panipat and their impact</li> <li>• Resistance of Jats, Revolt of Satnamis</li> </ul> <b>Maps :</b> Urban centres (1200 to 1700 A.D.) during Medieval Period <b>MCQ and Unit Test 1</b>
		<ul style="list-style-type: none"> <li>• Political Developments in 18th Century</li> <li>• Nawabi Kingdoms and Intrusion of Sikhs</li> <li>• Marathas, George Thomas and East India Company</li> </ul>
May 2022	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Political and Social Reactions of British Rule</li> <li>• Revolt of 1857</li> <li>• Arya Samaj</li> <li>• Spread of Modern Education .</li> </ul> <b>Maps:</b> Major centres of 1857 Revolt in Haryana
	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Freedom Movement in Haryana</li> <li>• Political Consciousness</li> <li>• Towards Freedom Mass Movements: Non-Co-operation</li> </ul> <b>Maps:</b> Main centres of Freedom Struggle in Haryana
June 2022	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Quit India Movement</li> </ul>

		<ul style="list-style-type: none"> <li>• Unionist Party</li> <li>• Praja Mandal Movement: A brief Survey. .</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>
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## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 2nd Semester Section A & D  
 Paper : **History of India (1200AD-1707 A.D.)**  
 Teacher's Name : **Dr.Rakesh Kumar**, Assistant Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Reconstructing and Interpreting Medieval India:</li> <li>• Definition; Sources</li> <li>• MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Delhi Sultanate: Establishment and Consolidation under Early Turks::</li> <li>• Aibak</li> <li>• Iltutmish</li> <li>• Balban</li> <li>• Expansion of Delhi Sultanate under Khaljis and Tughlaqs.</li> </ul> <b>Maps :</b> Extent of Sultanate under Allauddin Khalji <b>Maps :</b> Urban Centres during Sultanate period.
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Disintegration of Delhi Sultanate.</li> <li>• India on the eve of Babar's invasion: His major achievements.</li> <li>• Second Afghan Empire: Shershah Suri and His major achievements</li> </ul> <b>Maps :</b> Political Condition on the eve of Babar's Invasion. <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>• Consolidation and Expansion of Mughal Empire: Akbar, Jahangir, Shahjahan, Aurangzeb.</li> </ul> <b>Maps:</b> India under Akbar (1605 A.D.) <b>Maps:</b> India under Aurangzeb (1707 A.D.)
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Administrative Institutional Developments:</li> <li>• Iqtadari, Mansabdari.</li> <li>• Economic Aspects during Medieval Period</li> <li>• Land Revenue System</li> <li>• Industries, Trade and Commerce.</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Socio-Religious Life during Medieval Period</li> <li>• Bhakti Movement</li> <li>• Sufi Movement</li> <li>• Din-e-Ilahi</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Art and Architecture.</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> </ul>

		<ul style="list-style-type: none"> <li>• <b>Assignment 2</b></li> </ul>
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## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 4<sup>th</sup> Semester  
 Paper : **History of Haryana**  
 Teacher's Name : **Dr.Rakesh Kumar**, Assistant Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Regional Study: A case of Haryana</li> <li>• General Survey of sources of the History of Haryana: A brief Survey</li> <li>• Stone Age in Haryana</li> <li>• MCQ and Revision</li> </ul> <b>Maps :</b> Main centres of Harappan Civilization in Haryana
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Harappan Civilization General features</li> </ul> <p style="text-align: center;">Towards State Formation</p> <ul style="list-style-type: none"> <li>• Kurus. Historicity of the battle of Mahabharata</li> <li>• Rise of Republics : Yaudheyas and Agras</li> <li>• Rise of Powers during Early Medieval Period</li> <li>• (a) Pushpabhutis (b) Tomaras</li> </ul> <b>Maps :</b> Haryana at the time of Harshavardhana
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Battles and Revolts during Medieval Period</li> <li>• Battles of Tarain and their impact</li> <li>• Battles of Panipat and their impact</li> <li>• Resistance of Jats, Revolt of Satnamis</li> </ul> <b>Maps :</b> Urban centres (1200 to 1700 A.D.) during Medieval Period <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>• Political Developments in 18th Century</li> <li>• Nawabi Kingdoms and Intrusion of Sikhs</li> <li>• Marathas, George Thomas and East India Company</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Political and Social Reactions of British Rule</li> <li>• Revolt of 1857</li> <li>• Arya Samaj</li> <li>• Spread of Modern Education .</li> </ul> <b>Maps:</b> Major centres of 1857 Revolt in Haryana
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Freedom Movement in Haryana</li> <li>• Political Consciousness</li> <li>• Towards Freedom Mass Movements: Non-Co-operation</li> </ul> <b>Maps:</b> Main centres of Freedom Struggle in Haryana
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Quit India Movement</li> <li>• Unionist Party</li> <li>• Praja Mandal Movement: A brief Survey. .</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 4<sup>th</sup> Semester, Section B & D  
 Paper : **History of Haryana**  
 Teacher's Name : **Dr. Surender Singh**, Assistant Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Regional Study: A case of Haryana</li> <li>General Survey of sources of the History of Haryana: A brief Survey</li> <li>Stone Age in Haryana</li> <li>MCQ and Revision</li> </ul> <b>Maps :</b> Main centres of Harappan Civilization in Haryana
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Harappan Civilization General features</li> </ul> <p style="text-align: center;">Towards State Formation</p> <ul style="list-style-type: none"> <li>Kurus. Historicity of the battle of Mahabharata</li> <li>Rise of Republics : Yaudheyas and Agras</li> <li>Rise of Powers during Early Medieval Period</li> <li>(a) Pushpabhutis (b) Tomaras</li> </ul> <b>Maps :</b> Haryana at the time of Harshavardhana
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Battles and Revolts during Medieval Period</li> <li>Battles of Tarain and their impact</li> <li>Battles of Panipat and their impact</li> <li>Resistance of Jats, Revolt of Satnamis</li> </ul> <b>Maps :</b> Urban centres (1200 to 1700 A.D.) during Medieval Period <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>Political Developments in 18th Century</li> <li>Nawabi Kingdoms and Intrusion of Sikhs</li> <li>Marathas, George Thomas and East India Company</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Political and Social Reactions of British Rule</li> <li>Revolt of 1857</li> <li>Arya Samaj</li> <li>Spread of Modern Education .</li> </ul> <b>Maps:</b> Major centres of 1857 Revolt in Haryana
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Freedom Movement in Haryana</li> <li>Political Consciousness</li> <li>Towards Freedom Mass Movements: Non-Co-operation</li> </ul> <b>Maps:</b> Main centres of Freedom Struggle in Haryana
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Quit India Movement</li> <li>Unionist Party</li> <li>Praja Mandal Movement: A brief Survey. .</li> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 2nd Semester  
 Paper : **History of India (1200AD-1707 A.D.)**  
 Teacher's Name : **Dr.Parduman Singh**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Reconstructing and Interpreting Medieval India:</li> <li>Definition; Sources</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Delhi Sultanate: Establishment and Consolidation under Early Turks::</li> <li>Aibak</li> <li>Iltutmish</li> <li>Balban</li> <li>Expansion of Delhi Sultanate under Khaljis and Tughlaqs.</li> </ul> <b>Maps :</b> Extent of Sultanate under Allauddin Khalji <b>Maps :</b> Urban Centres during Sultanate period.
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Disintegration of Delhi Sultanate.</li> <li>India on the eve of Babar's invasion: His major achievements.</li> <li>Second Afghan Empire: Shershah Suri and His major achievements</li> </ul> <b>Maps :</b> Political Condition on the eve of Babar's Invasion. <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>Consolidation and Expansion of Mughal Empire: Akbar, Jahangir, Shahjahan, Aurangzeb.</li> </ul> <b>Maps:</b> India under Akbar (1605 A.D.) <b>Maps:</b> India under Aurangzeb (1707 A.D.)
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Administrative Institutional Developments:</li> <li>Iqtadari, Mansabdari.</li> <li>Economic Aspects during Medieval Period</li> <li>Land Revenue System</li> <li>Industries, Trade and Commerce.</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Socio-Religious Life during Medieval Period</li> <li>Bhakti Movement</li> <li>Sufi Movement</li> <li>Din-e-Ilahi</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Art and Architecture.</li> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 6<sup>th</sup> Semester  
 Paper : **Modern World**  
 Teacher's Name : **Dr. Parduman Singh**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Economic Development – I</li> <li>• Mercantilism</li> <li>• Agricultural Revolution</li> <li>• MCQ and Revision</li> <li>• Technological Revolution</li> </ul> <b>Maps</b> : Area of Agricultural Revolution
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Economic Development - II</li> <li>• Capitalism: Its Stages and development</li> <li>• Imperialism: Its theories and development</li> <li>• Political Development - I</li> <li>• French Revolution</li> </ul> <b>Maps</b> : Europe on the eve of French Revolution
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Liberalism in Britain</li> <li>• Nationalism in Germany &amp; Italy</li> </ul> <b>Maps</b> : Unification of Italy <b>Maps</b> : Unification of Germany <b>MCQ and Unit Test 1</b>
May 2022		<ul style="list-style-type: none"> <li>• Political Development - II</li> <li>• Russian Revolution</li> <li>• Fascism in Italy Nazism in Germany</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Colonialism</li> <li>• Stages of Colonialism in India</li> <li>• China and the West</li> <li>• Japan and the West World in the Crisis</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• First World War and peace settlements</li> <li>• Second World War Non-Alignment Movement</li> <li>• Origin</li> <li>• Development</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 6<sup>th</sup> Semester  
 Paper : **Modern World**  
 Teacher's Name : **Dr. Subhash**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Economic Development – I</li> <li>Mercantilism</li> </ul>
	1 <sup>st</sup> week	Economic Development - I: Mercantilism
	2 <sup>nd</sup> week	Agricultural Revolution; Technological Revolution
	3 <sup>rd</sup> week	Economic Development II: Capitalism- Its stages and development
April 2022	4 <sup>th</sup> week	Technological Revolution Maps : Area of Agricultural Revolution Imperialism- Its theories and development, Test
	5 <sup>th</sup> week	<ul style="list-style-type: none"> <li>Economic Development - II</li> </ul>
	6 <sup>th</sup> week	Political Development- I: French Revolution, Assignment
	7 <sup>th</sup> week	Capitalism: Its Stages and development
	8 <sup>th</sup> week	Liberalism in Britain
	9 <sup>th</sup> week	Imperialism: Its theories and development
	10 <sup>th</sup> week	Nationalism in Germany & Italy
	11 <sup>th</sup> week	Political Development - I
	12 <sup>th</sup> week	Political Development- II :- Russian Revolution.
	13 <sup>th</sup> week	French Revolution
May 2022	14 <sup>th</sup> week	Maps : Europe on the eve of French Revolution
	15 <sup>th</sup> week	Fascism in Italy, Map Works
	16 <sup>th</sup> week	Liberalism in Britain
	17 <sup>th</sup> week	Nazism in Germany, Map Works
	18 <sup>th</sup> week	Nationalism in Germany & Italy
June 2022	19 <sup>th</sup> week	Colonialism:- Stages of Colonialism in India, China and the west
	20 <sup>th</sup> week	Maps : Unification of Italy
	21 <sup>st</sup> week	Japan and the west, Assignment
	22 <sup>nd</sup> week	Maps : Unification of Germany
June 2022	23 <sup>rd</sup> week	World in the Crises- 1 <sup>st</sup> world war and peace settlement
	24 <sup>th</sup> week	MCQ and Unit Test 1
	25 <sup>th</sup> week	2 <sup>nd</sup> world War, Map works
	26 <sup>th</sup> week	Political Development - II
June 2022	27 <sup>th</sup> week	Non- Alignment Movement :- Origin, Development
	28 <sup>th</sup> week	Russian Revolution
	29 <sup>th</sup> week	Test and Revision, Presentation by students.
	30 <sup>th</sup> week	Fascism in Italy Nazism in Germany
June 2022	31 <sup>st</sup> week	<ul style="list-style-type: none"> <li>Colonialism</li> <li>Stages of Colonialism in India</li> <li>China and the West</li> <li>Japan and the West World in the Crisis</li> </ul>
	1 <sup>st</sup> week	<ul style="list-style-type: none"> <li>First World War and peace settlements</li> <li>Second World War Non-Alignment Movement</li> </ul>
	2 <sup>nd</sup> week	<ul style="list-style-type: none"> <li>Origin</li> <li>Development</li> </ul>
	3 <sup>rd</sup> week	<ul style="list-style-type: none"> <li>MCQ and Unit Test 2 and Revision</li> <li>Assignment 2</li> </ul>

DR.NIRMALA KUMARI Lesson Plan

(Session2021-22)

Associate Professor(History)

B.A- III (Sec A+C) Sem- VI

Paper :- Modern World

## LESSON PLAN

### History Department For PG Classes

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 1st Semester  
 Paper : Ancient Societies-II  
 Teacher's Name : **Dr Subhash**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Iron Age Cultures in India:</li> <li>• The beginning of Iron Age in India: Problems and Issues</li> <li>• Megalithic Culture of India: Origin, Distribution, Typology and Material Culture.</li> <li>• MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Painted Grey Ware Culture: Distribution, Material remains.</li> <li>• Second Urbanization.</li> <li>• Iron Age Culture in Greece:</li> <li>• MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Early Civilization in the Aegean</li> <li>• Greek City States (Athens and Sparta):</li> <li>• Political, Social and Economic Life,</li> <li>• Greeco-Persian</li> <li>• Wars, Peloponnesian Wars</li> <li>• MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• The Athenian Empire, Athenian Democracy, Contribution of Greek Civilization.</li> <li>• Iron Age Culture in Rome:</li> <li>• Roman Republic and Empire:</li> <li>• Social and Economic Life:</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Science &amp; Technology</li> <li>• Decline of Rome</li> <li>• Contribution of Roman Civilization</li> <li>• Indian State and Society (Vedic Times to Gupta Period):</li> <li>• The Vedic Age: Society, State Structure, Economy, Religion..</li> <li>• MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• The Age of Reason and Revolt: Jainism and Buddhism</li> <li>• Agrarian Empires (Mauryan and Gupta): Society and Economy.</li> <li>• Indian State and Society in Post Gupta Period:</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Urban Decay in India</li> <li>• Decline of Trade</li> <li>• Origin and Development of Feudalism in India d) Nature of</li> </ul>



		Indian Feudalism. • <b>MCQ and Unit Test 2 and Revision</b> • <b>Assignment 2</b>
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## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 4th Semester  
 Paper : **Indian National Movement (1920AD-1947 A.D.)**  
 Teacher's Name : **Dr Subhash**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Emergence of Mass Movements :</li> <li>• Rise of Gandhi and Non-Cooperation khilafat Movement</li> <li>• MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Swarajists-Programmes and Impact</li> <li>• Civil Disobedience Movement</li> <li>• Aims, Social Composition and Impact</li> <li>• MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• British Response - Communal Award</li> <li>• Round table conference c) Government of India Act 1935.</li> <li>• The Last Phase of Revolutionary Movement:</li> <li>• Formation of H.R.A.-H.S.R.A.</li> <li>• MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Aims and Activities</li> <li>• Impact on National Movement</li> <li>• Indian National Congress and Socialist Movement</li> <li>• Congress Socialist Party</li> <li>• Forward Bloc-I.N.A.</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Quit Indian Movement:</li> <li>• Background</li> <li>• Activities</li> <li>• Impact</li> <li>• States People's Conference:</li> <li>• Emergence</li> <li>• MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Praja Mandal Movement in Various Indian States</li> <li>• Communalism at its Zenith:</li> <li>• Demand for Pakistan</li> <li>• Growth of Muslim League</li> <li>• Partition of India</li> <li>• British Response-Transfer of Power</li> </ul>

	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>British Response-Transfer of Power</li> <li>Cripp's Mission - 1942</li> <li>Cabinet Mission- 1946</li> <li>Mount Batten Plan – 1947</li> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>
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## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 4th Semester  
 Paper : **Economic History of India (1757AD-1947 A.D.)**  
 Teacher's Name : **Dr Subhash**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Foreign trade in colonial India with reference to</li> <li>Mercantilism</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Industrial Capitalism</li> <li>Finance capitalism</li> <li>Price Movements</li> <li>Tariff Policy</li> <li>MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Urban Markets and growth/decline of urban centres in colonial India</li> <li>Industries in colonial India</li> <li>MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Select industries like: Cotton textiles, Jute, iron and steel</li> <li>Industrial policy in colonial India</li> <li>Artisans and small-scale industry, especially handlooms</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Theory about the Drain of wealth</li> <li>Tax Structure</li> <li>Public Expenditure and Government Revenues under the Crown, especially as per Act(s) of 1919 &amp; 1935</li> <li>MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Banking system</li> <li>Environment, Forests and the Colonial State</li> <li>Labor and the trade union movement</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Consequences of colonial rule on Indian economy</li> <li><b>MCQ and Unit Test 2 and Revision ,Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 4th Semester  
 Paper : **Political History of India** (1200AD-1526 A.D.)  
 Teacher's Name : **Mr. Naresh Chander**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Islamic theory of Sovereignty</li> <li>The Sultanate and the Caliphate</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Theory of Kingship under the Sultans of Delhi</li> <li>Barni's theory of Kingship</li> <li>MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Nature of Delhi Sultanate</li> <li>Nature of Afghan State</li> <li>MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Evolution of Administrative Institutions</li> <li>Central Administration</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Provincial Administration</li> <li>Nobility-Composition and role.</li> <li>MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Karkhanas</li> <li>Military Organization</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 4th Semester  
 Paper : **Society and Culture of India** (1200AD-1526 A.D.)  
 Teacher's Name : **Mr. Naresh Chander**, Associate Professor of **History**

Month	Dates	Topic to be covered
March	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Babur's description of the social life of India</li> <li>Social Structure</li> <li>Ruling class</li> </ul>

2022		<ul style="list-style-type: none"> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>MCQ and Revision</li> <li>Middle class</li> <li>Peasantry</li> <li>Women and Gender Relations</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Bhakti Movement</li> <li>Radical-Dadu Dayal</li> <li>Traditionalist-Tulsidas</li> <li>MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Woman Bhakta-Meerabai</li> <li>Impact of Bhakti Movement on Indian Society</li> <li>Sufism</li> <li>Silsilahs</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Evolution of Akbar's Religious Ideas</li> <li>From Orthodoxy to Liberalism</li> <li>Sulh-i-Kul</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Awhid-i-Ilahi</li> <li>Muslim Orthodoxy and the Mughal state in the 16th and 17th Century</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 2nd Semester  
 Paper : **Political History of India (1200AD-1526 A.D.)**  
 Teacher's Name : **Dr.Parduman Singh**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>French Revolution:</li> <li>Aims</li> <li>Achievements</li> <li>Reaction in Europe</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Development of Liberalism in Britain:</li> <li>Background: Classical Liberalism</li> <li>Beginning of Modern Liberalism</li> <li>Results and Analysis</li> <li>Rise of America:</li> </ul>

		<ul style="list-style-type: none"> <li>American Revolution</li> <li>New Slavery</li> <li>conomic Power</li> <li>MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Rise of New Order:</li> <li>Socialist Movement</li> <li>Russian Revolution-1917</li> <li>MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Russia after Revolution</li> <li>Reaction in the West</li> <li>Theories of Nationalism:</li> <li>a) Italy b) Germany</li> <li>c) Japan: Rise of Japan as Colonial Power and its Pan Asiatic Scheme</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>First World War:</li> <li>Origin</li> <li>Nature</li> <li>Impact</li> <li>Peace Settlement</li> <li>MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Totalitarian Regimes:</li> <li>Fascism in Italy</li> <li>Nazism in Germany c) Communist Revolution in China - 1949</li> <li>Second World War: a) Origin</li> <li>Nature</li> <li>Impact</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Cold War Period: a) NATO</li> <li>Warsaw Pact</li> <li>Non-Alignment Movement</li> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – 4th Semester  
 Paper : **Political History of India (1200AD-1526 A.D.)**  
 Teacher's Name : **Dr.Parduman Singh**, Associate Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Administrative Structure:</li> <li>Provincial Administration</li> <li>MCQ and Revision</li> </ul>

April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• District Administration</li> <li>• Central Administration</li> <li>• Arms of the State:</li> <li>• MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Law</li> <li>• Army</li> <li>• Police</li> <li>• Civil Services</li> <li>• MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Relations with Indian States:</li> <li>• Policy of Ring Fence</li> <li>• Policy of Subordinate Isolation</li> <li>• Policy of Subordinate union</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Afghan Policy</li> <li>• Policy of Masterly Inactivity</li> <li>• First Afghan War</li> <li>• Ind Afghan War.</li> <li>• MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Foreign Policy of Colonial State:</li> <li>• Compulsions 2. Foreign Affairs</li> <li>• Evolution</li> <li>• NW Frontier Policy</li> <li>• Persia and Persian Gulf Policy</li> <li>• Tibet Policy</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Indian Union and Princely States:</li> <li>• Problem</li> <li>• Integration with India</li> <li>• Independent India:</li> <li>• Visions of New India</li> <li>• India and the World Non-Alignment Movement</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**

Academic Session : March - June (2021-22)

Class : M.A. – 4th Semester

Paper : **Political History of India(1526AD-1757A.D.)-Political**

**Institutions**

Teacher's Name : **Dr. Surender Singh, Assistant Professor of History**

Month	Dates	Topic to be covered
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March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Sources of Mughal History</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Construction of Imperial Authority</li> <li>Legitimacy and Kingship</li> <li>MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Relations with Rajputs</li> <li>Zamindari Policy of the Mughals</li> <li>MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Mansabdari System</li> <li>Provincial Government</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Central Government</li> <li>Nature of Mughal</li> <li>MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Decline of Mughal and the Eighteenth Century Debate</li> <li>Modern Historiography on the Decline</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : M.A. – II<sup>nd</sup> Semester  
 Paper : History of Haryana  
 Teacher's Name : **Dr.Rakesh Kumar**, Assistant Professor of **History**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Mughal Period:</li> <li>First and Second Battle of Panipat, Hemu's Life &amp; Achievements</li> <li>Revolt of Satnamis .</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Paragana Administration</li> <li>Economy-Land Revenue System</li> <li>Irrigation System</li> <li>MCQ and Revision</li> </ul>

	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Bhakti and Sufi Movements</li> <li>• Politico-Religious Developments:</li> <li>• Marathas Incursion</li> <li>• MCQ and Revision <b>Unit Test 1</b></li> </ul>
May 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• George Thomas</li> <li>• Sikh Intrusion</li> <li>• Arya Samaj</li> <li>• Sanatan Dharma Sabha</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• George Thomas</li> <li>• Sikh Intrusion</li> <li>• Arya Samaj</li> <li>• Sanatan Dharma Sabha</li> <li>• MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Political Condition (1885-1919)</li> <li>• Unionist Party and Sir Chhotu Ram</li> <li>• Gandhian Movements</li> <li>• Non-Cooperation</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Civil Disobedience</li> <li>• Quit India Movement</li> <li>• Praja Mandal Movement</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN ; History

**Dr. Meenu Nain**

**Paper: Medieval Societies (Islamic and Europe)**

**Paper Code: 16HIS22C2**

**March 30th—2nd April:-- Introduction of topic**

**4th April—9th April:-- Rise of Islam : Socio-Political Background and Rise of Prophet Muhammad, His Life and Teachings.**



**11th April—16th April :-- Evolution of Islamic State : Medina to Caliphate**

**18th April—23th April:-- Evolution of Islamic State : Umayyad to Abbasid**

**25th April—30th April:--Society under the Caliphate**

**2nd May—7th May:-- Economy under the Caliphate**

**9th May—14th May:--Contribution of Arab Civilization.**

**16th May—21st May:-- Transition from Ancient to Medieval Society**

**23rd May—28th May :--State and Church, Church and Society**

**30th May—4th June:-- Feudalism : Manorial System, Serfdom**

**6th June—11th June :--Trade and Commerce**

**13th June—18th June :--Technology**

**20th June—25th June :-- Protestantism – Reformation; Renaissance**

**27th June—30th June :--Revision**

**Paper : Historiography : Concepts, Methods and Tools - II**

**Paper Code: 17HIS24C1**

**March 30th—2nd April:-- Introduction of Topic**

**4th April—9th April:-** Positivist and Classical Marxist

**11th April—16th April:-** Later Marxist and Gender in History

**18th April—23th April:-** Environment in History and Annals

:

**25th April—30th April:-** Colonial History Writing And Nationalist History Writing

**2nd May—7th May:-** Communalist History Writing and Marxist History Writing

**9th May—14th May :-** Cambridge School and Subaltern School

**16th May—21st May:-** Rise of Feudalism and Rise of Capitalism

**23rd May—28th May :-** Origin of Imperialism and Origin of Nationalism

**30th May—4th June:-** Choice of Subject and Survey of literature

**6th June—11th June:-** Formulation of hypothesis and Identification of sources

**13th June—18th June:-** Description of research methodology and Elaboration of research proposal

**20th June—25th June:-** Revision

**Paper- Economy of India (1526-1757 A.D.)**

**Paper Code: 17HIS24GC4**

**March 30th—2nd April:-- Introduction of Topic**

**4th April—9th April:-- Land Revenue System : Magnitude : Methods of Assessment, and Mode of Payment; Other Rural Taxes and Exaction**

**11th April—16th April: – Categories of Peasants and Village Community**

**18th April—23th April: – Jagir System and its crisis**

**25th April—30th April :- Agrarian Crisis and Presentation**

**2nd May—7th May :- Ijara System and Madad-i-Maash Grants**

**9th May—14th May:-- Potentialities of Capitalists Development under the Mughals**

**16th May—21st May:— Usuary and Test of Unit 2**

**23rd May—28th May:-- Dadni System**

**30th May—4th June:-- Role of Cash Nexus and Test of Unit 3**

**6th June—11th June:-- Industries and Mineral Resources**

**13th June—18th:– June Trade and Commerce : Inland and External Trade and Centers of Large Scale Production**

**20th June—25th June:– Euro-Indian Trade : Merchants and Brokers**

**27th June—30th June:– Revision**

**DR. NIRMALA KUMARI      Lesson Plan      (Session 2021-22)**

**Associate Professor (History)                      M.A(Final) Sem-4<sup>th</sup>**

**Paper :- Society and culture of India(1757-1947) – II**

**Paper Code:- 17 HIS24 HG-15D**

<b>1<sup>ST</sup> week</b>	<b>New Classes</b>
<b>2<sup>nd</sup> week</b>	<b>Indian Culture Renaissance</b>
<b>3<sup>rd</sup> week</b>	<b>Rise of National Awakening</b>
<b>4<sup>th</sup> week</b>	<b>Cultural Renaissance</b>
<b>5<sup>th</sup> week</b>	<b>Socio-Religious Reforms Movement : Origin and Development- Its Impact</b>
<b>6<sup>th</sup> week</b>	<b>on Society, Assignment</b>
<b>7<sup>th</sup> week</b>	<b>Swami Dayanand and Arya Samaj, Test</b>
<b>8<sup>th</sup> week</b>	<b>Theosophical Society and Smt. Annie Besant</b>
<b>9<sup>th</sup> week</b>	<b>Ram Krishna Mission and Swami Vivekanand.</b>
<b>10<sup>th</sup> week</b>	<b>Muslim Reform Movement</b>
<b>11<sup>th</sup> week</b>	<b>Depressed Class Movement, Dalit Movement and Dr. B.R. Ambedkar, Test</b>
<b>12<sup>th</sup> week</b>	<b>British Rule in India: Social Changes</b>
<b>13<sup>th</sup> week</b>	<b>British Rule in India:- Economic Changes</b>
<b>14<sup>th</sup> week</b>	<b>British Rule in India :- Cultural Changes</b>
<b>15<sup>th</sup> week</b>	<b>British Rule in India:- Political Changes</b>
<b>16<sup>th</sup> week</b>	<b>British Rule in India:- Educational Changes</b>

**DR. NIRMALA KUMARI Lesson Plan (Session 2021-22 ...)**

**Associate Professor (History)**

**M.A(P) Sem-II**

**Paper :- State in India (Mughals to Modern Times)**

**Paper Code:- 16HIS22SC-III**

1 <sup>st</sup> week	The Mughal States:- Nature of Mughal States
2 <sup>nd</sup> week	Central Administration
3 <sup>rd</sup> week	Provincial Administration
4 <sup>th</sup> week	Administrative Institutions:- Jagirdari System, Manasabdari System ,Zannidari
5 <sup>th</sup> week	System, Test
6 <sup>th</sup> week	Colonial States:- Political Economy, Assignment.
7 <sup>th</sup> week	State Apparatus
8 <sup>th</sup> week	Instruments of Legitimization.
9 <sup>th</sup> week	Independent India:-Constitutional Continuity .Constitutional Changes. Vision of
10 <sup>th</sup> week	modern Indian States ,,Assignment
11 <sup>th</sup> week	Nationalist
12 <sup>th</sup> week	Communist
13 <sup>th</sup> week	Communist
14 <sup>th</sup> week	Test and Revision
15 <sup>th</sup> week	Revision
16 <sup>th</sup> week	

# **Lesson Plan of M.A. 2nd Semester Environmental Geography (16GEO22C3)**

**(Dr. Anju Bala) (2021-22)**

**21.03.22 to 26.3.22:** Nature and scope of environmental geography, fundamental concepts.

**28.3.22 to 2.4.22:** Approaches of methods in environmental geography, relationship with other branches of knowledge, environment and ecology.

**4.4.22 to 9.4.22:** Meaning, structure and type of environment, Ecology: meaning scope and concepts, subdivision of ecology.

**11.4.22 to 16.4.22:** Ecosystem: meaning, concepts, classification and components of ecosystem.

**18.4.22 to 23.4.22:** Trophic structure, ecological pyramid, energy flow and biogeochemical cycles, ecological regions of India.

**25.4.22 to 30.4.22:** Environmental pollution- meaning, types, sources, causes and impacts.

**2.5.22 to 7.5.22:** Air, water and land pollution.

**9.5.22 to 14.5.22:** Environmental degradation: nature, process, types and causes, greenhouse effect.

**16.5.22 to 21.5.22:** Global warming, ozone depletion, desertification.

**23.5.22 to 28.5.22:** Environmental management: concepts, methods, approaches, management of soil and forest.

**30.5.22 to 4.6.22.:** Management of mineral resources, disaster management.

**6.6.22 to 11.6.22:** Conservation of natural resources, emerging environmental issues in India.

**13.6.22 to 18.6.22:** Fundamental policies, programmes of environmental protection.

**20.6.22 to 25.6.22:** Awareness and movements for environmental protection.

**27.6.22to onwards:** Revision.

**Lesson Plan of M.A. 2nd Sem. Geography of India (16GEO22CI)**

**(Deepak Malik) (2021-22)**

**28.3.22 to 2.4.22:** Physiographic divisions of India.

**4.4.22 to 9.4.22:** Physiographic divisions of India, Drainage system.

**11.4.22 to 16.4.22:** Mechanism of Indian Monsoon, climatic regions.

**18.4.22 to 23.4.22:** Soil and natural vegetation

**25.4.22 to 30.4.22:** Test, Growth of population, distribution and density of population.

**2.5.22 to 7.5.22:** Population problems, population policies and food security.

**9.5.22 to 14.5.22:** Characteristic of Indian agriculture and agricultural regions.

**16.5.22 to 21.5.22:** Industrial Regions and transport network.

**23.5.22 to 28.5.22:** Test, domestic and international trade.

**30.5.22 to 4.6.22.:** Evolution of administrative map of India, river water dispute among states.

**6.6.22 to 11.6.22:** Seminar

**13.6.22 to 18.6.22:** Interlinking of rivers, terrorism problems.

**20.6.22 to 25.6.22:** Revision of syllabus

**27.6.22to onwards:** Revision of syllabus



**Lesson Plan of M.A. IIND SEMESTER**  
**Digital Cartography (16GEO22C10)**  
**Dr. Sushila (2021-22)**

1.4.22 to 2.4.22: Basic introduction to GIS softwares  
2.4.22 to 9.4.22: (QGIS, Arc GIS etc.)  
11.4.22 to 16.4.22 : Raster (grid format) and vector  
18.4.22 to 23.4.22: Dot, Choropleth and Isopleth Method  
25.4.22 to 30.4.22: Proportionate circle  
2.5.22 to 7.5.22: Bar Diagram  
9.22 to 14.5.22: Map element - title, legend, latitude, longitude  
16.5.22 to 21.5.22: Scale, direction, source name of projection  
and layout creation  
23.5.22 to 28.5.22: Practical work continue till practical date

Taught by

Sushila

Assistant Professor of Geography

**Lesson Plan Of M.A.2<sup>nd</sup> Sem**

**Morphometric Analysis**

**2021-22**

**1.4.22 TO 2.4.22:-**Introduction toMorphomitric Analysis

**2.4.22 to 9.4.22:-**Drainage Basin and Geographical Significance

**11.4.22 to 16.4.22:-**Linear Aspects ,stream ordering based on Harton

**18.4.22 to 23.4.22:-**Stream ordering based on Strahler

**25.4.22 to 30.4.22:-**Areal Aspects, stream frequency

**2.5.22 to 7.5.22:-**Drainage density

**9.5.22 to 14.5.22:**Relief Aspects ,Hypsomitric curve

**16.5.22 to 21.5.22:-**Integral Hypsomitric curve

**23.5.22 to 28.5.22:-**Clinographic curve

**30.5.22 to 4.6.22:-**Slope Analysis ,Average slope {Wentworth Method}

**6.6.22 to 11.6.22:-**Relative relief {Smith method}

**13.6.22 to 18.6.22:-**Profile Analysis-An Introduction

**20.6.22 to 25.6.22:-**Longitudinal Profile

**27.6.22 onwards:-**Exercises

**Taught by**

**Hem Lata**

<b>Lesson Plan for Session 2021-22(Even Semester)</b>	
<b>Department of Geography</b>	
<b>Subject: Geography</b>	<b>Class: M.A 2nd Sem., Teacher Name: Mr. Satish Kumar</b>
<b>Paper: Geo. Of World Economy</b>	<b>Paper Code: 16GEO22C1</b>
<b>Date</b>	<b>Topic</b>
28-03-2022 to 02-04-2022	Economic Geography: The Stuff of Economic Geography
04-04-2022 to 09-04-2022	A brief history, Why Economic Geography?
11-04-2022 to 16-04-2022	Assignment 1: The Stuff of Economic Geography
18-04-2022 to 23-04-2022	Modes of Theorizing in Economic Geography:
25-04-2022 to 30-04-2022	Political Economy, Poststructuralist Economic Geography
02-05-2022 to 07-05-2022	Capitalism, Fundamental Concepts: Use-value, Exchange Value,
09-05-2022 to 14-05-2022	Assignment 2: Use-value, Exchange Value and Revision, Dynamics of World Economy, Spatial Structure of the World Economy.
06-05-2022 to 21-05-2022	Capital, Capital and Labour, Capital Accumulation, Capital Accumulation by Dispossession.
23-05-2022 to 28-05-2022	Capitalism in Twentieth Century: Organized Capitalism, Disorganized Capitalism. Neo-Liberalism.
30-05-2022 to 04-06-2022	World Economy and the Capitalist mode of production, The Basic Elements of World Economy:
06-06-2022 to 11-06-2022	Single Market, a Multiple State System, the Three-tier structure; A Space-Time Matrix of the World Economy
13-06-2022 to 18-06-2022	Economic Development: Globalization or Internationalization,
20-06-2022 to 26-06-2022	Patterns of International Trade, WTO and Developing Countries

**Lesson Plan (Session 2021-22)**  
**M.A. Geography, 4<sup>th</sup> Semester, Paper- Geography of Tourism**  
**Dr. Phool Kumar, Associate Professor, Department of Geography**

Date	Topic
21.3.2022 to 26.3.2022	Geography of Tourism: Meaning and Definition,
28.3.2022 to 02.4.2022	Geography of Tourism: Nature and scope,
04.4.2022 to 09.4.2022	Motivating factors of tourism; Robinson's classification of motivating factors of tourism,
11.4.2022 to 16.4.2022	Tourism: Product and typology,
18.4.2022 to 23.4.2022	Infrastructure and support system of tourism,
25.4.2022 to 30.4.2022	Accommodation and supplementary accommodation; Agencies and intermediaries.
02.5.2022 to 07.5.2022	Accommodation and supplementary accommodation; Agencies and intermediaries,
09.5.2022 to 14.5.2022	Impact of tourism: Physical, economic and social, perceptual positive and negative impacts,
16.5.2022 to 21.5.2022	Impact of tourism: Physical, economic and social, perceptual positive and negative impacts,
23.5.2022 to 28.5.2022	Tourism paradigms: Ethnic and cultural tourism, heritage tourism,
31.5.2022 to 04.6.2022	Sustainable tourism and ecotourism,
06.6.2022 to 11.6.2022	Regional dimensions of tourism in India,
13.6.2022 to 18.6.2022	Himalayan region, Northern Plains,
20.6.2020 to 25.6.2022	The Thar Desert, Deccan plateau,
27.6.2022 onwards	Coastal Plains and the Islands.

## **Lesson Plan of M.A. 4<sup>th</sup> sem Population Geography (17GEO24DBI) (Dr. Bindu) (2021-22)**

**22.03.22 to 26.3.22:** Population geography-Definition , nature and scope, relationship with other discipline, demography and population studies.

**28.3.22 to 2.4.22:** Sources of data, census, vital or registration system, sample registration system, sample survey with reference to NSSO and NFHS

**4.4.22 to 9.4.22:** Problems of reliability and comparability of data, population distribution and growth.

**11.4.22 to 16.4.22:** Factor affecting population, distribution, population growth, trends and determinant.

**18.4.22 to 23.4.22:** Spatial dimension of population growth in India, Theories of population growth, Pre- Malthusian views.

**25.4.22 to 30.4.22:** Malthus Theory and views of socialist writers.

**2.5.22 to 7.5.22:** Optimum population theory, Demographic transition model, Components of population change.

**9.5.22 to 14.5.22:** Trends and patterns of fertility and mortality levels, theories of fertility.

**16.5.22 to 21.5.22:** Migration, measure international migrations in India, Theories of migration.

**23.5.22 to 28.5.22:** Population composition and characteristics, age and sex composition.

**30.5.22 to 4.6.22.:** Literacy, Marital status and economic characteristics of population and development.

**6.6.22 to 11.6.22:** Population growth and economic development, Population growth and environmental quality.

**13.6.22 to 18.6.22:** Population control movement, population policies and its types.

**20.6.22 to 25.6.22:** India's Population policy post independence development.

**27.6.22 to onwards:** Reproductive and child health programme and revision.

<b>Lesson Plan for Session 2021-22(Even Semester)</b>	
<b>Department of Geography</b>	
<b>Subject: Geography</b>	<b>Class: M.A 4<sup>th</sup> Sem., Teacher Name: Mr. Satish Kumar</b>
<b>Paper: Geographical Thought</b>	<b>Paper Code: 17GEO24C1</b>
<b>Date</b>	<b>Topic</b>
28-03-2022 to 02-04-2022	Development of Geographical Knowledge
04-04-2022 to 09-04-2022	Relationship of geography with other natural and social sciences; Subject matter of geography
11-04-2022 to 16-04-2022	Assignment 1: Pre-scientific geographical ideas and emergence of scientific geography.
18-04-2022 to 23-04-2022	Pre-scientific geographical ideas and emergence of scientific geography; influence of Kant.
25-04-2022 to 30-04-2022	Unit Test-1: Humboldt and Ritter; legacy of Humboldt and Ritter
02-05-2022 to 07-05-2022	Dualisms and dichotomies: physical and human, systematic and regional, and general and particular.
09-05-2022 to 14-05-2022	Assignment 2: Unification of Geography- Richthofen and Hettner. Social Origins of Environmental Determinism.
06-05-2022 to 21-05-2022	Possibilism, Regional concept, Vidal de la Blache, Quantitative revolution and positivism
23-05-2022 to 28-05-2022	Unit Test-2: locational analysis. Reactions to scientific positivism and development of 'human centred theories; Behavioural, humanistic and radical approaches.
30-05-2022 to 04-06-2022	Structuralism and structuration; post-structural and post-colonial critique;
06-06-2022 to 18-06-2022	Assignment 3: Feminist and gender geography; the post-modern perspectives in geography; geography, neoliberalism and globalisation.
20-06-2022 to 26-06-2022	Unit Test-3: Revision

**Research methodology**

**Faculty member: Dr. Praveen Khatri**

**M.A. 4<sup>th</sup> Sem.**

- 21 march to 26 march: introduction + subject information and discussion
- 28 march to 2 April: Meaning and Purpose of Research?
- 4 April to 9 April: Types of Research; Social Science Research; + seminar
- 11 April to 16 April: Identification of Research Question and Literature Surveying;
- 18 April to 23 April: Methods and Methodology in Human Geography + revision test
- 25 April to 30 April: Scientific Method in Human Geography
- 2 may to 7 May: ppt presentation + Analytical Steps of the Scientific Method
- 9 may to 14 May: The Routes of Scientific Explanation:
- 16 may to 21 May: Deductive and Inductive forms of reference
- 23 may to 28 May: Explanation in Geography:
- Some Problem + class discussion
- 30 May to 4 June: From Quantitative to Qualitative Geography; Qualitative Data Production: +

#### Assignments

- 6 June to 11 June: Interviews (Process of
- Interviewing, Structure interviews and informal surveys;
- 13 June to 18 June: Depth Interviewing and Working with Groups); Observation (Participant Observation and Ethnography). + Group discussion in student + seminar
- 20 June to 25 June: Process of Research Report Writing; Reference styles (Harvard, Chicago), Ethics in Research
- 27 June to 30 June: presentation + seminar + discussion.
- 30 June onwards: revision

<b>Lesson Plan for Session 2021-22(Even Semester)</b>	
<b>Department of Geography</b>	
<b>Subject: Geography</b>	<b>Class: M.A 2nd Sem., Teacher Name: Dr. Kuldeep Suhag &amp; Mr. Satish Kumar</b>
<b>Paper: SATELLITE IMAGES AND ITS INTERPRETATION</b>	<b>Paper Code: 17GEO24CL2</b>
<b>Date</b>	<b>Topic</b>
28-03-2022 to 02-04-2022	Kinds of satellite images
04-04-2022 to 09-04-2022	Study of a satellite image - annotation (IRS - IB, IRS- IC etc.)
11-04-2022 to 16-04-2022	Visual interpretation of a satellite image.
18-04-2022 to 23-04-2022	Separating physical and cultural features on an image.
25-04-2022 to 30-04-2022	Identification of objects on panchromatic, true colour and FCC images and their comparison.
02-05-2022 to 07-05-2022	Identification and mapping of land use/land cover on satellite images
09-05-2022 to 14-05-2022	Study of thermal image and interpretation of various features
06-05-2022 to 21-05-2022	Study of Radar image and interpretation of various features
23-05-2022 to 28-05-2022	Acquisition of open-source satellite data from USGS / GLOVIS.
30-05-2022 to 04-06-2022	Acquisition of open-source satellite data from USGS / GLOVIS.
06-06-2022 to 18-06-2022	Acquisition of open-source satellite data from BHUVAN (ISRO)
20-06-2022 to 26-06-2022	Acquisition of open-source satellite data from BHUVAN (ISRO)



<b>Lesson Plan for Session 2021-22(Even Semester)</b>	
<b>Department of Geography</b>	
<b>Subject: Geography</b>	<b>Class: M.A 4<sup>th</sup> Sem., Teacher Name: Dr. Phool kumar</b>
<b>Paper: aerial photographs and its Interpretation</b>	<b>Paper Code: 17GEO24CL1</b>
<b>Date</b>	<b>Topic</b>
28-03-2022 to 02-04-2022	Aerial Photographs- types & Characteristics
04-04-2022 to 09-04-2022	Elements of air photo Interpretation.
11-04-2022 to 16-04-2022	Stereo vision Test, Orientation of stereo model under mirror stereo scope
18-04-2022 to 23-04-2022	Determination of scale on aerial photographs
25-04-2022 to 30-04-2022	Measurement of height of an object on single vertical aerial photographs
02-05-2022 to 07-05-2022	Parallax bar measurement and height determination.
09-05-2022 to 14-05-2022	Preparation of Index Map
06-05-2022 to 21-05-2022	Preparation of Stereogram, Stereo triplet and mosaic from aerial photographs
23-05-2022 to 28-05-2022	Identification mapping and interpretation of natural features
30-05-2022 to 04-06-2022	Identification mapping and interpretation of cultural features
06-06-2022 to 18-06-2022	Land use land cover studies on aerial photographs
20-06-2022 to 26-06-2022	Urban studies on aerial photographs, Chand deduction and Residential area studies

**Lesson Plan of B.A.IInd semester**  
**Physical Geography**  
**Dr.Sushila (2021-22)**  
**Dr. Kuldeep Singh Suhag**  
**Ms.Hem Lata**

28.3.22 to 2.4.22: Definition, nature, scope and significance of Physical geography.

4.4.22 to 9.4.22: Interior of the Earth earth geological time scale.

11.4.22 to 16.4.22: Rocks

18.4.22 to 23.4.22: Earth movements: orogenic movement

25.4.22 to 30.4.22: Epeirogenic movement, earthquake movement

2.5.22 to 7.5.22: Volcanoes

9.22 to 14.5.22: Theory of Isostasy: Wegner's theory of continental drift

16.5.22 to 21.5.22: Plate Tectonic Theory

23.5.22 to 28.5.22: Weathering causes and its types

30.5.22 to 4.6.22.: Mass movement

6.6.22 to 11.6.22: Concept of cycle of erosion

13.6.22 to 18.6.22: Process of wind, river

20.6.22 to 25.6.22: Underground water

27.6.22 Glacier and sea waves

**Lesson plan**  
**B.A. 4<sup>th</sup> sem. (Geography) Semester**  
**Session-2021\_22**

28.3.2022 to 2.4.2022

Nature and scope of human geography. Branches of human Geography. Approaches to the study of human Geography.

4.4.2022 to 9.4.2022

Race: meaning and definition, Evaluation and development of human races, criteria of racial classification of human races in India.

11.4.2022 to 16.4.2022

Spatial distribution of tribes of India Santhal, Gonds, Bhils, Mundas, Todas, Nagas, Gaddis, Tharus, Khasis, Kharias, and laddakhis.

18.4.2022 to 23.4.2022

Man -environment relationship, Environment determinism, Possibilism, Neo determinism

25.4.2022 to 30.4.2022

Human adaptation to the environment, Eskimo, Bushman, Gujjar and Gonds

2.5.2022 to 7.5.2022

Meaning and classification of resources: Renewable and non - renewable resources

9.5.2022 to 14.5.2022

Biotic and Abiotic resources

16.5.2022 to 21.5.2022

Recyclable and non- recyclable resources

23.5.2022 to 28.5.2022

Distribution, utilization and conservation of flora and fauna, water,

30.5.2022 to 4.6.2022

Mineral and energy resources

6.6.2022 to 11.6.2022

Distribution and density of world population,

13.6.2022 to 18.6.2022

World population growth, fertility and mortality pattern.

20.6.2022 to 25.6.2022

Concept of overpopulation, under population, optimum population, Population Theories, Malthus, Ricardo and Marx

27.6.2022 onwards

Revision test

Ms Bindu

Ms vandana

Ms Hem lata

Ms Amita

**Lesson plan BA 6<sup>th</sup> Sem. Semester**  
**Geography Practical (Introduction to Remote sensing and field survey report)**

01.04.2022 to 9.4.2022

Demarcation of principal point, conjugate principle point, and flight line on aerial photographs.

11.4.2022 to 16.4.2022

Demarcation of principal point, conjugate principle point, and flight line on aerial photographs.

18.4.2022 to 23.4.2022

Demarcation of scale of Ariel photographs

25.4.2022 to 30.4.2022

Demarcation of scale of Ariel photographs

2.5.2022 to 7.5 2022

Interpretation of single vertical photograph

9.5.2022 to 14.5.2022

Interpretation of single vertical photograph

16.5.2022 to 21.5.2022

Use of stereoscope and identification of features

23.5.2022 to 28.5.2022

Identification of features on IRSID, LISS III imagery, (Mark copy of FCC)

30.5.2022 to 4.6.2022

Socio economic survey and report writing

6.6.2022 onwards

Revision

Taught by

Ms. Deepak, Ms. Jyoti, Dr. Anju Bala, Ms. Priyanka, Dr. Amita.

LESSON PLAN  
B.A. 6<sup>th</sup> SEMESTER GEOGRAPHY  
SESSION 2021-22

21.3.22-26.3.22--Introduction to aerial photograph

28.3.22-2.4.22-- Advantage of aerial photograph

And their types

4.4.22-9.4.22-- Elements of aerial photo interpretation

11.4.22--16.4.22--Introduction to remote sensing: Electromagnetic spectrum

18.4.22-23.4.22-- Stages in remote sensing

25.4.22-30.4.22-- Types of satellites

2.5.22-7.5.22--Types of imageries

9.5.22-14.5.22-- Application of imageries in various fields

16.5.22-21.5.22-- Introduction of GIS: Definition, purpose, advantages of G.I.S

23.5.22-28.5.22-- Ssoftware and hardware requirement, Application of G.I.S. in

Various fields

30.5.22-4.6.22-- Measures of central tendency: Mean, Median

6.6.22-11.6.22-- Mode, Measure of dispersion, Range and quartile deviation

13.6.22-18.6.22-- Mean deviation, standard deviation

20.6.22-25.6. 22--Coefficient of variation

27.6.22- onwards -- Revision

Teachers:

Mrs. Jyoti

Dr. Anju Bala

Mrs. Priyanka

Dr. Amita

**Lesson plan BA 4<sup>th</sup> Semester**  
**Geography Practical (Map Projections)**

28.3.2022 to 2.4.2022

Map projections: general principles

4.9.2022 to 9.4.2022

Cylindrical map projection

11.4.2022 to 16.4.2022

Cylindrical map projection

18.4.2022 to 23.4.2022

Conical projections

25.4.2022 to 30.4.2022

Conical projections

2.5.2022 to 7.5.2022

Zenithal projection

9.5.2022 to 14.5.2022

Zenithal projection

16.5.2022 to 21.5.2022

Conventional projections

23.5.2022 to 28.5.2022

Identification and choice of map projection

30.5.2022 to 4.6.2022

Plain table survey

6.6.2022 onwards

Revision

Taught by

Ms. Deepak, Dr. Phool Kumar, Dr. Bindu,

Ms. Vandana, Ms. Hemlata, Ms. Amita

## LESSON PLAN

### **B.A.II SEM GEOGRAPHY (Practical)**

2021-2022

1.4.22 to 2.4.22:-Introduction to Topographical Sheets

4.4.22 to 16.4.22:-Topographical Sheets &Methods of Representing Relief

18.4.22 to 7.5.22:-Representation of Topographical Features by Contours

9.5.22 to 21.5.22:-Drawing Profiles

23.5.22 to 4.6.22:-Chain & Tape Survey

6.6.22 onwards:-Checking of Sheets & Revision

Dr. Kuldeep Suhag

Dr. Parveen Khatri

Dr. Sushila

Mr. Satish Kumar

## **LESSON PLAN POLITICAL Sci.**

Name of College : **Government PG College for Women, (Rohtak)**  
Academic Session : **March - June (2021-22)**  
Class : **B.A. – 2nd Semester**  
Paper : **Indian Politics**  
Teacher's Name : **Mr. Nishant Saini** Assistant Professor of **Political Science**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Federalism and its working with reference to centre-state relations,</li> <li>Demand for state Autonomy.</li> <li>MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Emerging Trends in Indian Federalism</li> <li>Election Commission Electoral process and its Defects and Voting behaviour,</li> <li>MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Electoral reforms problem of defection.</li> <li>Party System in India: National and regional political parties</li> <li><b>MCQ and Unit Test 1</b></li> </ul>
May 2022		<ul style="list-style-type: none"> <li>Interest and pressure groups.</li> <li>Role of caste</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Religion, Language</li> <li>Regionalism In India,</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Politics of Reservation</li> <li>Emerging Trends and Challenges before Indian Politics System.</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 4th Semester  
 Paper : **Indian Political Thinkers (opt.-II)**  
 Teacher's Name : **Mr. Nishant Saini** Assistant Professor of **Political Science**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>Mahatma Gandhi (1869-1948) .</li> <li>MCQ and Revision</li> </ul>



April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Manavendra Nath Roy (1886-1954) ,</li> <li>• MCQ and Revision</li> </ul>
	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Pt. Jawaharlal Nehru (1889-1964)</li> <li>• <b>MCQ and Unit Test 1</b></li> </ul>
May 2022		<ul style="list-style-type: none"> <li>• Dr. Bhimrao Ambedkar (1891-1956)</li> <li>• Subhash Chandra Bose (1897-1945)</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Bhagat Singh (1907-1931)</li> <li>• MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Jaiparkash Narayan (1902-1979)</li> <li>• MCQ and Revision</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Ram Manohar Lohia (1910-1967)</li> <li>• <b>MCQ and Unit Test 2 and Revision</b></li> <li>• <b>Assignment 2</b></li> </ul>

## LESSON PLAN

Name of College : **Government PG College for Women, (Rohtak)**  
 Academic Session : March - June (2021-22)  
 Class : B.A. – 6th Semester  
 Paper : **International Organisation (opt.-II)**  
 Teacher's Name : **Mrs. Seema** Assistant Professor of **Political Science**

Month	Dates	Topic to be covered
March 2022	21 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Evaluation and growth of international organization: League and UN system.</li> <li>• MCQ and Revision</li> </ul>
April 2022	1 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Comparison between league and UN system.</li> <li>• Organs of the united Nations.</li> <li>• MCQ and Revision</li> </ul>

	15 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li>Working of UN towards peace Peace making,</li> <li></li> <li><b>MCQ and Unit Test 1</b></li> </ul>
May 2022		<ul style="list-style-type: none"> <li>Peace enforcement peace building and peacen keeping</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -31 <sup>st</sup>	<ul style="list-style-type: none"> <li>UN &amp; Disarmament</li> <li>Democratization of UN and Indian's Claim for permanent sea</li> <li>MCQ and Revision</li> </ul>
June 2022	01 <sup>st</sup> -15 <sup>th</sup>	<ul style="list-style-type: none"> <li>Assessment of UN</li> <li>MCQ and Revision</li> </ul>
	16 <sup>th</sup> -30 <sup>th</sup>	<ul style="list-style-type: none"> <li><b>MCQ and Unit Test 2 and Revision</b></li> <li><b>Assignment 2</b></li> </ul>

NAME OF LECTURER: Dr. Poonam Rani

CLASS: BA 3<sup>rd</sup> year 6<sup>th</sup>sem

SUBJECT: Sanskrit Compulsory

SESSION: 2021-22 (even sem)

Week 1, 1 April to 2 April	शिवराज विजय (प्रथम निश्वास)
Week 2, 4 April to 9 April	शिवराज विजय (प्रथम निश्वास)
Week 3, 11 April to 16 April	शिवराज विजय (प्रथम निश्वास)
Week 4, 18 April to 23 April	शिवराज विजय (प्रथम निश्वास)
Week 5, 25 April to 30 April	शिवराज विजय (प्रथम निश्वास)
Week 6, 2 May to 7 May	नीतिशतकम्
Week 7, 9 May to 14 May	नीतिशतकम्
Week 8, 16 May to 21 May	नीतिशतकम्
Week 9, 23 May to 28 May	संस्कृत साहित्य का इतिहास
Week 10, 30 May to 4 June	संस्कृत साहित्य का इतिहास
Week 11, 6 June to 11 June	व्याकरण (कारक)
Week 12, 13 June to 18 June	व्याकरण (कारक)
Week 13, 20 June to 25 June	अशुद्धि संशोधन
Week 14, 27 June to 30 June	पुनरावृत्ति

NAME OF LECTURER: Dr. Poonam Rani

CLASS: BA 1st year 2nd sem

SUBJECT: Sanskrit Elective

SESSION: 2021-22 (evensem)

Week 1, 1 April to 2 April	संस्कृत में अनुवाद
Week 2, 4 April to 9 April	संस्कृत में अनुवाद
Week 3, 11 April to 16 April	संस्कृत में अनुवाद, कंठस्थ श्लोक
Week 4, 18 April to 23 April	दूतवाक्यम्
Week 5, 25 April to 30 April	दूतवाक्यम्
Week 6, 2 May to 7 May	दूतवाक्यम्
Week 7, 9 May to 14 May	शुकनासोपदेशः
Week 8, 16 May to 21 May	शुकनासोपदेशः

Week 9, 23 May to 28 May	शुकनासोपदेशः
Week 10, 30 May to 4 June	शुकनासोपदेशः
Week 11, 6 June to 11 June	शब्दरूप
Week 12, 13 June to 18 June	धातुरूप
Week 13, 20 June to 25 June	छंद
Week 14, 27 June to 30 June	पुनरावृत्ति

Week 1, 1 April to 2 April	Unit 1, <u>Padhyabhag</u>
Week 2, 4 April to 9 April	Unit 1, <u>Padhyabhag</u>
Week 3, 11 April to 16 April	Unit 1, <u>Padhyabhag</u>
Week 4, 18 April to 23 April	Unit 2, <u>Gadhyabhag</u>
Week 5, 25 April to 30 April	Unit 2, <u>Gadhyabhag</u>
Week 6, 2 May to 7 May	Unit 2, <u>Gadhyabhag</u>
Week 7, 9 May to 14 May	Unit 2, <u>Gadhyabhag</u>
Week 8, 16 May to 21 May	Unit 3, <u>ShabadRupani</u>

Week 9, 23 May to 28 May	Unit 3, <u>ShabadRupani</u>
Week 10, 30 May to 4 June	Unit 4, <u>ShabadRupani</u>
Week 11, 6 June to 11 June	Unit 4, <u>ShabadRupani</u>
Week 12, 13 June to 18 June	Unit 5, <u>sandhi</u>
Week 13, 20 June to 25 June	Unit 5, <u>sandhi</u>
Week 14, 27 June to 30 June	Revision

NAME OF LECTURER: Dr. Poonam Rani

CLASS: BA 1st (2nd sem)

SUBJECT: Sanskrit (Hindi Hon.)

SESSION: 2021-22, (even sem)

Week 1, 1 April to 2 April	पद्य भाग
Week 2, 4 April to 9 April	पद्य भाग
Week 3, 11 April to 16 April	पद्य भाग
Week 4, 18 April to 23 April	पद्य भाग
Week 5, 25 April to 30 April	गद्य भाग
Week 6, 2 May to 7 May	गद्य भाग
Week 7, 9 May to 14 May	गद्य भाग
Week 8, 16 May to 21 May	गद्य भाग
Week 9, 23 May to 28 May	शब्द रूप
Week 10, 30 May to 4 June	धातुरूप
Week 11, 6 June to 11 June	संधि
Week 12, 13 June to 18 June	संधि
Week 13, 20 June to 25 June	अनुवाद
Week 14, 27 June to 30 June	पुनरावृत्ति

**NAME OF Assistant Professor: Dr.Rita Khanna**

**CLASS: BA 1<sup>st</sup> 2<sup>nd</sup> semester**

**SUBJECT: Sanskrit Compulsory**

**SESSION: 2021-22 (even sem)**

Week 1, 1 April to 2 April	Unit 1, <u>Padhyabhag</u>
Week 2, 4 April to 9 April	Unit 1, <u>Padhyabhag</u>
Week 3, 11 April to 16 April	Unit 1, <u>Padhyabhag</u>
Week 4, 18 April to 23 April	Unit 2, <u>Gadhyabhag</u>
Week 5, 25 April to 30 April	Unit 2, <u>Gadhyabhag</u>
Week 6, 2 May to 7 May	Unit 2, <u>Gadhyabhag</u>
Week 7, 9 May to 14 May	Unit 2, <u>Gadhyabhag</u>
Week 8, 16 May to 21 May	Unit 3, <u>ShabadRupani</u>
Week 9, 23 May to 28 May	Unit 3, <u>ShabadRupani</u>
Week 10, 30 May to 4 June	Unit 4, ShabadRupani
Week 11, 6 June to 11 June	Unit 4, ShabadRupani
Week 12, 13 June to 18 June	Unit 5, sandhi
Week 13, 20 June to 25 June	Unit 5, sandhi
Week 14, 27 June to 30 June	Revision

**NAME OF LECTURER: Dr.Rita Khanna**

**CLASS: BA 2<sup>nd</sup> year 4<sup>th</sup> semester**

**SUBJECT: Sanskrit Elective**

**SESSION: 2021-22 (even sem)**

Week 1, 1 April to 2 April	Unit 1 Padhyabhag
Week 2, 4 April to 9 April	Unit 1 Padhyabhag
Week 3, 11 April to 16 April	Unit 1 Padhyabhag
Week 4, 18 April to 23 April	Unit 1 Padhyabhag
Week 5, 25 April to 30 April	Unit 2 Gadhyabhag
Week 6, 2 May to 7 May	Unit 2 Gadhyabhag
Week 7, 9 May to 14 May	Unit 2 Gadhyabhag
Week 8, 16 May to 21 May	Unit 2 Gadhyabhag
Week 9, 23 May to 28 May	Unit 3 Shabadroop Dhaturoup
Week 10, 30 May to 4 June	Unit 3 Shabadroop Dhaturoup
Week 11, 6 June to 11 June	Unit 4 Sandhi
Week 12, 13 June to 18 June	Unit 4 Sandhi
Week 13, 20 June to 25 June	Unit 5 Anuwaad
Week 14, 27 June to 30 June	Revision

**NAME OF LECTURER: Dr. Rita Khanna**

**CLASS: BSC 2<sup>nd</sup> Year 4<sup>th</sup> semester (Medical)**

**SUBJECT: Sanskrit**

**SESSION: 2021-22.(even sem)**

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Week 1, 1 April to 2 April	shrimadbhagvadgeeta 1Unit
Week 2, 4 April to 9 April	eetashrimadbhagvadg 1Unit
Week 3, 11 April to 16 April	shrimadbhagvadgeeta 1Unit
Week 4, 18 April to 23 April	shrimadbhagvadgeeta 1Unit
Week 5, 25 April to 30 April	Unit 2 <u>Raghuvansh</u>
Week 6, 2 May to 7 May	Unit 2 <u>Raghuvansh</u>
Week 7, 9 May to 14 May	Unit 2 <u>Raghuvansh</u>
Week 8, 16 May to 21 May	Unit 2 <u>Raghuvansh</u>
Week 9, 23 May to 28 May	Unit 3 samash
Week 10, 30 May to 4 June	Unit 3 samash
Week 11, 6 June to 11 June	Unit 4 Partayay
Week 12, 13 June to 18 June	Unit 4 Partayay
Week 13, 20 June to 25 June	Unit 5 Partayaharsutra
Week 14, 27 June to 30 June	Unit 5 Patar anuwaad

## Lesson plan 2021-22

Sanskrit

BscII (NM)

Unit 1: March:

21-26: शब्द रूप याद करवाना व सुनना

28-31: ""

April: 4-9: गद्य भाग

11-16: ""

18-23: ""

25-30: ""

May: 2-7: पद्य भाग

9-14: ""

16-21: " "

23-28: ""

June: 1-4: धातु रूप

6-11: ""

13-18: अनुवाद

20-25: ""

27-30: पुनरावृत्ति

## B.A.III(EI)

Unit 1: March:

21-26: अभिज्ञान शाकुंतलम् पुस्तक के पाठ संस्कृत वाग् व्यवहार के प्र०/ऊ० लिखवाना व याद करवाना

28-31: ""

April: 4-9: श्लोकों की व्याख्या करवाना व सुनना

11-16: ""

18-23: ""

25-30: ""

May: 2-7: ""

9-14: ""

16-21: अलंकार लिखवाना व याद करवाना

23-28: ""

June: 1-4: संस्कृत साहित्य का इतिहास याद करवाना व सुनना

6-11: ""

13-18: ""

20-25: ""

27-30: पुनरावृत्ति

## B.A. II (C)

Unit 1: March:

21-26: चारुदत्तम् तृतीय अंक

28-31: ""

April: 4-9: ""

11-16: चतुर्थ अंक

18-23: ""

25-30: ""

May: 2-7: समास

9-14: ""

16-21: " "

23-28: शनननत प्रत्यय

June: 1-4: " "

6-11: कृदंतप्रत्यय

13-18: " "

20-25: अनुवाद

27-30: पुनरावृत्ति



## Department of Chemistry

**SESSION: 2021-22.(even sem)**

**Government College for Women, Rohtak**

**Lesson plan, Even Semester**

**Session 2021-2022**

**Department of Chemistry**  
**Name of Extension Lecturer:**  
**SANGITA**  
**B.Sc. 1 (Physics Hons.) 2nd**  
**semester**

### **March 2022**

First Week - Bonding in organic molecules and its effects on shape, chirality .

Second week- RS nomenclature as applied to chiral centres .

Third Week- Treatment of chirality upto three chiral centres. Conformation of acrylic and cyclic systems.

Fourth Week- conformational analysis of di-substituted cyclohexanes.

### **April 2022**

First Week- Geometrical isomerism and E-2 nomenclature. Electronic displacements in organic molecules.

Second Week- Aromaticity. Reactivity of organic molecules. Heterolytic and homolytic fission. Nucleophiles, electrophiles, acids and bases and their relative strengths (including carbon acids).

Third week – Nucleotides, electrophoresis, acids and bases and their relative strengths(including carbon acids)

Fourth Week- Addition, elimination and substitution reactions (including electrophonic, nucleophilic and aromatic types).

### **May 2022**

First week- Arynes and carbons as reaction intermediates. Functional Group Chemistry: Rationalisation of functional group reactivity on mechanistic basis of the following groups: hydroxyl, carbonyl.

Second week- Rationalization of Functional groups reactivity on mechanistic basis of the following groups: hydroxyl and carbonyl.

Third week- Functional Group Chemistry: Rationalisation of functional group reactivity on mechanistic basis of the following groups: carboxyl and its derivatives such as ester and amide, cyano, nitro and amino.

Fourth Week- Class tests, Assignments

### **June 2022**

First week-

Orientation effect in aromatic substitution, polymerisation and overview of polymers.

Second week- Organic reactions as synthetic tools: Claisen, Cannizzaro, Grignard, Michael, Mannich.

Third Week- Organic reactions as synthetic tools: Darzen, aldol, Dieckmann, Perkin etc.

FFourthWeek- Revision, Class test

**Government PG College for Women, Rohtak Lesson plan, Even Semester Session**

**2021-2022**

**Department of Chemistry  
B.Sc. II (Medical and Non Medical) 4th semester  
INORGANIC CHEMISTRY**

**March, 2022**

Fourth Week – Chemistry of f – block elements Lanthanides Electronic structure, oxidation states

**April, 2022**

First Week – Ionic radii and lanthanide contraction, complex formation, Occurrence and isolation,lanthanide compounds

Second Week – Actinides-General features and chemistry of actinides, Chemistry of separation of Np, Pu and Am from U

Third Week -- Comparison of properties of Lanthanides and Actinides and with transition elements

**Fourth Week -- Revision and test of lanthanides and Actinides**

**May, 2022**

First Week – Theory of Qualitative and Quantitative Inorganic Analysis-I

Second Week – Chemistry of analysis of various acidic radicals

Third Week -- Chemistry of identification of acid radicals in typical combinations

Fourth Week -- Chemistry of interference of acid radicals including their removal in the analysis of basic radicals.

**June, 2022**

First Week – Theory of Qualitative and Quantitative Inorganic Analysis-II

Second Week – Chemistry of analysis of various groups of basic radicals

Third Week – Theory of precipitation, co- precipitation, Post- precipitation, purification of precipitates.

Fourth Week – revision and test of Unit III

Concerned Faculty – Dr. Sonika

Ms. Preeti

## **PHYSICAL CHEMISTRY**

**March, 2022**

**Fourth Week – Thermodynamics-III Second law of thermodynamics, need for the law, different statements of the law, Carnot's cycles and its efficiency, Carnot's theorem**

**April, 2022**

**First Week – Thermodynamics scale of temperature. Concept of entropy – entropy as a state function, entropy as a function of V & T, entropy as a function of P & T, entropy change in physical change**

**Second Week – entropy as a criteria of spontaneity and equilibrium. Entropy change in ideal gases and mixing of gases**

**Third Week -- Thermodynamics-IV Third law of thermodynamics: Nernst heat theorem, statement of concept of residual entropy, evaluation of absolute entropy from heat capacity data. Gibbs and Helmholtz functions**

**Fourth Week -- Variation of G and A with P, V and T, Gibbs function (G) and Helmholtz function (A) as thermodynamic quantities, A & G as criteria for thermodynamic equilibrium and spontaneity**

**May, 2022**

**First Week – Electrochemistry-III Electrolytic and Galvanic cells – reversible & Irreversible cells , conventional representation of electrochemical cells. EMF of cell and its measurement**

**Second Week – Weston standard cell, activity and activity coefficients. Calculation of thermodynamic quantities of cell reaction ( G, H & K)**

**Third Week -- Types of reversible electrodes – metal- metal ion gas electrode, metal – insoluble salt- anion and redox electrode**

## **Fourth Week -- Test of Unit I**

**June, 2022**

**First Week – Electrode reactions, Nernst equations, derivation of cell EMF and single electrode potential**

**Second Week – Standard Hydrogen electrode, reference electrodes, standard electrodes potential, sign conventions, electrochemical series and its applications.**

**Third Week – Electrochemistry-IV Concentration cells with and without transference, liquid junction potential**

**Fourth Week – Application of EMF measurement i.e. valency of ions, solubility product activity coefficient, potentiometric titration (acid-base and redox). Determination of pH using Hydrogen electrode, Quinhydrone electrode and glass electrode by potentiometric methods**

**Concerned Faculty – Dr. Deepak**

**Ms. Preeti**

**Ms. Monika**

## **ORGANIC CHEMISTRY MARCH 2022**

**Week 3: Infrared (IR) absorption spectroscopy Molecular vibrations, bands, measurement of IR spectrum, fingerprint region, characteristic absorptions of various functional groups and interpretation of IR spectra of simple organic compounds**

## **APRIL 2022**

**Week 1: Hooke's law, selection rules, intensity and position of IR bands and Applications of IR spectroscopy in structure elucidation of simple organic compounds**

**Week 2: . Amines Structure and nomenclature of amines, physical properties. Separation of a mixture of primary, secondary and tertiary amines. Structural features affecting basicity of amines**

**Week 3: Preparation of alkyl and aryl amines (reduction of nitro compounds, nitriles, reductive amination of aldehydic and ketonic compounds. Gabriel phthalimide reaction, Hofmann bromamide reaction. electrophilic aromatic substitution in aryl amines, reactions of amines with nitrous acid**

**Week 4: Diazonium Salts Mechanism of diazotisation, structure of benzene diazonium chloride, Replacement of diazo group by H, OH, F, Cl, Br, I, NO<sub>2</sub> and CN groups, reduction of diazonium salts to hydrazines, coupling reaction and its synthetic application**

## **MAY 2022**

**Week 1: Nitro Compounds Preparation of nitro alkanes and nitro arenes and their chemical reactions. Mechanism of electrophilic substitution reactions in nitro arenes and their reductions in acidic, neutral and alkaline medium**

**Week 2: Aldehydes and Ketones Nomenclature and structure of the carbonyl group. Synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides, advantage of oxidation of alcohols with chromium trioxide (Sarett reagent) pyridinium chlorochromate (PCC) and pyridinium dichromate**

JUNE 2022

**Week 1: Physical properties. Comparison of reactivities of aldehydes and ketones.**

**Week 2: Mechanism of nucleophilic additions to carbonyl group with particular emphasis on benzoin, aldol, Perkin and Knoevenagel condensations**

**Week 3: Condensation with ammonia and its derivatives. Wittig reaction. Mannich reaction. Week 4: Oxidation of aldehydes, Baeyer–Villiger oxidation of ketones, Cannizzaro reaction. MPV, Clemmensen, Wolff-Kishner,  $\text{LiAlH}_4$  and  $\text{NaBH}_4$  reductions**

Concerned Faculty – Dr. Nidhi

Ms. Monika



**Government PG College for Women, Rohtak**  
**Lesson plan, Even Semester Session**

**2021-2022**

**Department of Chemistry**

**B.Sc. I (Medical & Non-Medical) 2<sup>nd</sup> semester**

**Inorganic Chemistry**

**March 2022**

**Week 4: Introduction of Syllabus and Marks Distribution Hydrogen Bonding & Vander Waals Forces Hydrogen Bonding**

**April 2022**

**Week 1: Definition, Types, effects of hydrogen bonding on properties of substances, application Brief discussion of various types of Vander Waals Forces.**

**Week 2: Metallic Bond and Semiconductors Metallic Bond- Brief introduction to metallic bond, band theory of metallic bond Semiconductors- Introduction, types and applications.**

**Week 3: s-Block Elements Comparative study of the elements including , diagonal relationships, Salient features of hydrides (methods of preparation excluded), solvation and complexation tendencies including their function in biosystems.**

**Week 4: Chemistry of Noble Gases Chemical properties of the noble gases with emphasis on their low chemical reactivity, Chemistry of xenon, structure and bonding of fluorides, oxides & oxyfluorides of xenon.**

**May 2022**

**Week 1: Emphasis on comparative study of properties of p-block elements (including diagonal relationship and excluding methods of preparation)**

**Week 2: Boron family (13th gp):- Diborane – properties and structure (as an example of electron – deficient compound and multicentre bonding),**

**Week 3: Borazene – chemical properties and structure Trihalides of Boron – Trends in Lewis acid character structure of aluminium (III) chloride.**

**Week 4: Carbon Family (14th group): Catenation, p  $\pi$ - d  $\pi$  bonding (an idea), carbides, fluorocarbons, silicates structural aspects), silicon – general methods of preparations, properties and uses.**

**June 2022**

**Week 1: Nitrogen Family (15th group): Oxides – structures of oxides of N,P. oxyacids – structure and relative acid strengths of oxyacids of Nitrogen and phosphorus. Structure of white, yellow and red phosphorus.**

**Week 2: Oxygen Family (16th group): Oxyacids of sulphur – structures and acidic strength  $\text{H}_2\text{O}_2$  – structure, properties and uses.**

**Week 3: Halogen Family: Basic properties of halogen, interhalogens types properties, hydro and oxyacids of chlorine – structure and comparison of acid strength .**

**Week 4:** Revision and Test  
Assignment

**Concerned Teacher:** Mrs. Shammy Iaj  
Mrs. Meena  
Mrs. Neha Sapra

## **Organic Chemistry**

**March 2022**

**Week 4:** Nomenclature of alkenes, Mechanisms of Dehydration of alcohols and dehydrohalogenation of alkyl halides. The Saytzeff rule, Hofmann elimination, Physical properties and Relative Stabilities of Alkenes.

**April 2022**

**Week 1:** Chemical reactions of alkenes mechanisms involved in hydrogenation, electrophilic and free radical additions, Markownikoff's rule.

**Week 2:** Hydroboration–oxidation, Oxymercuration  
reduction, Ozonolysis, Hydration, Hydroxylation and  
Oxidation with  $\text{KMnO}_4$ .

**Week 3:** Arenes and Aromaticity Nomenclature of benzene derivatives: Aromatic nucleus and side chain. Aromaticity: the Huckel rule, aromatic ions.

**Week 4: Annulenes up to 10 carbon atoms, aromatic, anti - aromatic and non – aromatic compounds.**

**May 2022**

**Week 1: Aromatic electrophilic substitution general pattern of the mechanism, mechanism of nitration, halogenation,**

**Week 2: Dienes and Alkynes Nomenclature and classification of dienes: isolated, conjugated and cumulated dienes.**

**Week 3: Structure of butadiene, Chemical reactions 1,2 and 1,4 additions (Electrophilic & free radical mechanism).**

**Week 4: Diels-Alder reaction, Nomenclature, structure and bonding in alkynes. Methods of formation. Chemical reactions of alkynes, acidity of alkynes. Mechanism of Electrophilic and nucleophilic addition reactions, Hydroboration- oxidation of alkynes.**

**June 2022**

**Week 1: Sulphonation, and Friedel-Crafts reaction. Energy profile diagrams. Sulphonation, and Friedel-Crafts reaction. Energy profile diagrams. Activating, Deactivating substituents and Orientation.**

**Week 2: Nomenclature and classes of alkyl halides, Methods of formation, Chemical reactions. Mechanisms and stereochemistry of nucleophilic substitution reactions of alkyl halides, SN2 and SN1 reactions with energy profile diagrams.**

**Week 3: Methods of formation and reactions of aryl halides, the addition elimination and the elimination-addition mechanisms of nucleophilic aromatic substitution reactions. Relative reactivities of alkyl halides vs allyl, vinyl and aryl halides.**

**Week 4: Test of Arenes and Aromaticity, Assignment and Viva, Test.**

**Concerned Teacher: Mrs. Shammy Iaj**

**Dr. Aarti**

**Mrs. Manu**

**Physical Chemistry**

**March 2022**

**Week 4: introduction of kinetic, rate of rxn, rate equation, order of rxn**

**April 2022**

**Week 1: factor affecting rate of rxn, zero order rxn, second and third order rxn, half life period of rxn**

**Week 2:** method of determination of order of rxn, Arrhenius equation

**Week 3:** simple collision theory for unimolecular and biomolecular

**Week 4:** transition state theory , Electrolytic conduction, factors affecting electrolytic conduction,

**May 2022**

**Week 1:** Specific conductance, equivalent conductance, molar conductance and relation among them

**Week 2:** specific conductivity, equivalent conductivity and molar conductivity, Variation of conductance with concentration

**Week 3:** Arrhenius theory of ionization, Ostwald's dilution law, Debye- Huckel Onsager's equation for strong electrolytes

**Week 4:** Migration of ions and transport number, Methods to determine transport number-Hittorf's method

**June 2022**

**Week 1:** Kohlrausch law, calculation of molar ionic conductance, specific conductance, effect of viscosity

**Week 2:** effect of temp. and pressure, application of Kohlrausch law , application of conductivity measurement, determination of degree of dissociation

**Week 3:** determination of solubility product of sparingly soluble salts conductometric titrations, pH , pKa (determinations)

**Week 4:** buffer solution , buffer action, Henderson-Hasselbalch equation, buffer action Test and assignments

**Concerned Teacher:** Mrs. Seema  
Mrs. Neha  
Mrs. Manu

Department of Chemistry

Bsc. 6<sup>th</sup> sem

Physical chemistry

March 2022

**Forth Week : Electronic Spectrum**

**Concept of potential energy curves for bonding and antibonding molecular orbitals, qualitative description of selection rules and frank condon principle**

**April 2022**

**First Week : Qualitative description of sigma and Pii and n molecular orbitals, their energy levels and respective transitions.**

**Second Week : Photochemistry**

**Interaction of radiation with matter, difference between thermal and photochemical processes.**

**Third week: Laws of photochemistry, Grotthus drapper law, stark Einstein law.**

**Forth Week : Jablonski diagram depicting various processes occurring in excited states, qualitative description of fluorescence, phosphorescence, nonradiative processes.**

**May 2022**

**First Week : Quantum yield photosensitized reactions, energy transfer processes, simple examples.**

**Second Week : Ideal and nonideal solutions, method of expressing conc. Of sol., activity and activity coefficients, dilute sols.**

**Third Week : Colligative properties, Raoult's law, relative lowering of vapour pressure, molecular weight determination, osmosis law of osmotic pressure and its measurement.**

**Forth Week : Determination of molecular weight from osmotic pressure, elevation of boiling point and depression of freezing point. Test**

**June 2022**

**First Week : Thermodynamic derivation of relation between molecular weight and elevation in boiling point and depression in freezing point Experimental methods for determining various colligative properties, abnormal molar mass, degree of dissociation and association of solutes.**

**Second Week : Statement and meaning of terms phase components and degree of freedom. Thermodynamic derivation of Gibbs Phase rule, phase equilibria of one component system**

**Third Week : Thermodynamic derivation of Gibbs Phase rule, phase equilibria of one component system**

**Forth Week : Water and sulphur system, phase equilibria of two component systems, solid liquid equilibria. Physical Simple eutectic example lead, silver system, desilverization of lead.**

**Teacher concerned: MS. Pooja Chahal, Ms. Pooja Chaudhary**

## **INORGANIC CHEMISTRY:**

**March 2022**

**Week 4: Organometallic Chemistry  
Definition, Nomenclature & Introduction of Organometallic Compounds. Types of Organometallic Compounds & Nature of Metal Carbon Bond.**

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**April 2022**

### **Inorganic**

**Week 1: Effective atomic number for other Organometallic Compounds. Bonding in Organometallic Compounds. Preparation, properties & applications of some Organometallic Compounds.**

**Week 2: Preparation, properties & bonding of organotin, organolithium and organoaluminium Compounds.**

**Week 3: Brief account of metal ethylenic complexes, mononuclear carbonyls & nature of bonding in metal carbonyls.**

**Week 4: Acids and Bases, HSAB Concept  
Introduction & classification of acids and bases, Pearson's HSAB principle and its applications.**

**May 2022**

**Week 1: Arrhenius and Bronsted Lowry concept of acids and bases. Limitations of HSAB principle, Symbiosis and Lux Flood & Lewis concept of acids and bases.**

**Week 2: Theoretical basis of hardness and softness: HSAB principle.**

**Electronegativity and hardness – softness, Relative strength of acids & bases. (Assignment Topic in extra lecture).**

**Week 3: Bioinorganic Chemistry  
Introduction, essential & trace elements, Essential bulk and essential trace**

**elements. Brief account of Metalloporphyrins. Function & cooperativity of Myoglobin & Haemoglobin.**

**Week 4: Biological role of alkali & alkaline earth metal ions with special reference to  $\text{Ca}^{2+}$  and Nitrogen Fixation.                      Silicone sand Phosphazenes**

**Introduction, nomenclature and properties of silicones. Preparation of silicone & silicone products.**

**.June 2022**

**Week 1: Types of elastomers. Equilibration and ring opening polymerization (ROP) of Cyclosiloxanes. History of polyphosphazenes & polysiloxanes copolymers.**

**Week 2: Preparation & properties of phosphonitrilic compounds. Polymerization of organo or organometallic substituted cyclic phosphazenes.**

**Week 3: Structure and properties of cyclic phosphonitrilic halides & Chlorides. Week 4: Group Discussion & Problem Solving.**

**Teacher concerned: Dr. Anita Singhal, Dr. Suman**

**Organic Chemistry:**

**March 2022**

**Week 4:**

**Introduction, Nomenclature of thiols, Structural features, Methods of formation, Physical properties & Chemical properties.**

**April 2022**



**Week 1: Nomenclature of thioethers, Structural features, Methods of formation, Physical properties, Chemical properties.**

**Week 2: Nomenclature of sulphonic acids, Structural features, Methods of formation of sulphonic acids.**

**Week 3: Physical & Chemical properties of sulphonic acids, Sulphonamides.**

**Week 4: Sulphaguanidine & synthetic detergents.**

#### **May 2022**

**Week 1: Amino acids, Peptides & Proteins**

**Introduction, Nomenclature, structure & classification of  $\alpha$ -Amino acids.**

**Week 2: Stereochemistry and acid base behavior of amino acids, Isoelectric point of amino acids: Electrophoresis.**

**Week 3: Preparation of  $\alpha$ -Amino acids.**

**Week 4: Nomenclature, classification & Geometry of peptide bond. Classification of proteins, Peptide structure determination, end group analysis.**

#### **June 2022**

**Week 1: Selective hydrolysis, Classical peptide synthesis, solid phase peptide synthesis.**

**Week 2: Structure of peptides and proteins.**

**Week 3: Group Discussion.**

**Week 4: Problem Solving.**

**Teacher concerned: Ms. Savita Pruthi, Ms. Vijeita, Dr. Suman, Ms. Pooja Chaudhary**

# **Lesson Plan Of Psychology**

## **Weekly lesson plan (2021-2022) (EVEN SEM)**

**B.A Hon's (6<sup>th</sup> SEM) DEVELOPMENTAL PSYCHOLOGY**

**Submitted by DR. LOKESH BALHARA**

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### **MARCH 2022**

**3<sup>rd</sup> week** – Human Development : Meaning , History, Principal of development and methods of development.

**4<sup>th</sup> week** – Theories and Factors of human development :- Biological , Cultural and social .

### **APRIL 2022**

**1<sup>st</sup> week** – Concept of Nature and Nurture , Meaning of Prenatal development .

**2<sup>nd</sup> week** – Hazards of Prenatal Development , Maternal Health at Risk .

**3<sup>rd</sup> week** – Infancy :- Characteristics , Development and Problem.

**4<sup>th</sup> week** - Childhood :- Characteristics and Problem.

### **MAY 2022**

**1<sup>st</sup> week** – Adolescence :- Nature , Characteristics and Problem .

**2<sup>nd</sup> week** – Self Concept , Identity and Self esteem and Role of Family, Peers , School and Media.

**3<sup>rd</sup> week** – Cognitive Development Nature Approaches.

**4<sup>th</sup> week**—Development of Language , Behavioural and Environmental Influence of Cognitive Development.

**JUNE 2022**

**1<sup>st</sup> week** —Emotional Development :- Meaning and Nature.

**2<sup>nd</sup> week** — Approaches :- Emotional and Behavioural and Social .

**3<sup>rd</sup> week**— Moral Development :- Temperament , Conscience Development In Young Children.

**4<sup>th</sup> week**— Revision and Discussion .

**Department of Psychology**

**Weekly lesson plan (2021-2022) (EVEN SEM)**

**B.A (6<sup>th</sup> SEM) APPLIED PSYCHOLOGY**

**Submitted by DR.LOKESH BALHARA**

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**MARCH 2022**

**3<sup>rd</sup> week** – Applied psychology : Meaning , History

**4<sup>th</sup> week** – Fields and careers in psychology.

**APRIL 2022**

**1<sup>st</sup> week** – Organisational Psychology : Nature , scope and objectives.

**2<sup>nd</sup> week** – Development of Organisational Psychology , Objectives of guidance .

**3<sup>rd</sup> week** – Principals and Types of Guidance .

**4<sup>th</sup> week** – Organisation of Guidance Programme.

**May 2022**

**1<sup>st</sup> week** – Counselling : Need , Principles , Special areas.

**2<sup>nd</sup> week** – Types of Counselling , Meaning of Health Psychology .

**3<sup>rd</sup> week** – Scope and Objective of Health Psychology .

**4<sup>th</sup> week** – Concept of Health and Illness , Psychological factors in physical illness , Life  
Style and Health .

**June 2022**

**1<sup>st</sup> week** – Stress and Coping , Forensic Psychology : Psychology and Law , Eye Witness Testimony.

**2<sup>nd</sup> week** – Accuracy and Improvement in Eye Witness Testimony, Statistics: Correlation-Meaning .

**3<sup>rd</sup> week** – Rank Difference and Product Moment Correlation Method , Doubt Clarification.

**4<sup>th</sup> week** – Revision and Discussion .

# lesson plan

Academic Session 2021-22

Subject – Clinical Psychology

Class B.A (Hons) Semester 6<sup>th</sup>

Associate Professor – Dr. Neelam Raipuria Mangla

<b>Week</b>	<b>Topic</b>
Mar 3rd week	Practical Exams
Mar 4th week	Practical Exams
Apr 1st week	Introduction to Clinical Psychology, History, Role of Clinical Psychologist
Apr 2nd week	Models of Clinical Psychology
Apr 3rd week	Models of Clinical Psychology
Apr 4th week	Models of Clinical Psychology
May 1st week	Clinical Assessment
May 2nd week	Therapies
May 3rd week	Therapies
May 4th week	Different study methods
May 5th week	Client Centered Therapy
Jun 1st week	C.B.T
Jun 2nd week	Promoting Mental Health
Jun 3rd week	Ethical Cultural Issues
Jun 4th week	Future of Clinical Psychology
Jun 5th week	Group Therapy
July 1st week	Class Test and Revision, Short Questions

**Academic Session 2021-22**

**Subject – Developmental Psychology**

**Class B.A Pass Course**

**Semester 4<sup>th</sup>**

**Associate Professor – Dr. Neelam Raipuria Mangla**

<b>Week</b>	<b>Topic</b>
Mar 3rd <sup>rd</sup> week	Practical Exams
Mar 4th week	Practical Exams
Apr 1st week	Introduction
Apr 2nd week	Principles of Development
Apr 3rd week	Factors affecting Development
Apr 4th week	Prenatal Development
May 1st week	Infancy, Childhood
May 2nd week	Childhood
May 3rd week	Childhood
May 4th week	Adolescence
May 5th week	Adolescence
Jun 1st week	Adulthood
Jun 2nd week	Language Development
Jun 3rd week	Cognitive Development
Jun 4th week	Statistical Analysis
Jun 5th week	Aging
July 1st week	Class Test and Revision ,Important questions

**Lesson Plan -2021-2022**

**Even Semester**

**Subject: Applied Psychology(PY25)**

**Class: B.A. Psychology Hons 6<sup>th</sup> Semester**

**Name of Teacher: Dr. Ankita Budhiraja**

**March 3<sup>rd</sup> week: Meaning, Basic and Applied**

**Research March 4<sup>th</sup> week: Fields of Applied**

**Psychology**

**April 1<sup>st</sup> week: Educational Applications- role of psychologist in school system, community psychologists, education psychologists**

**April 2<sup>nd</sup> week: Educational Applications- Educational application: Assessing educational Readiness and Educational achievement**

**April 3<sup>rd</sup> week: Life style and its consequences-smoking, drinking,**

**Overeating April 4<sup>th</sup> week: Life style and its consequences: lack of exercise, Behavior and**

**Aids**

**May 1<sup>st</sup> week: Health Applications: dealing with health-related information, stress and illness, cope with stress and coping with medical care**

**May 2<sup>nd</sup> week: Careers and work Choosing a career, work related attitudes, job interview and conflict in work settings**

**May 3<sup>rd</sup> week: Industrial Applications: Planning, Selection**

**May 4<sup>th</sup> week: Industrial Applications- training and Job satisfaction**

**June 1<sup>st</sup> week: Legal Applications: Media and perception about crime.**

**Eyewitness testimony, Role of attorney and judges.**

**June 2<sup>nd</sup> week: Clinical Application CBT and Psychodynamic**

**June 3<sup>rd</sup> week: Clinical Application- Behavior and client centered therapy June 4<sup>th</sup> week: Revision**

**June 5<sup>th</sup> week: Revision**



**Lesson Plan -2021-2022**

**Even Semester**

**Subject: Cognitive Processes(PY05)**

**Class: B.A. Psychology Hons 2<sup>nd</sup> Semester**

**Name of Teacher: Dr. Ankita Budhiraja**

**March 3<sup>rd</sup> week: Learning: Classical Conditioning**  
**March 4<sup>th</sup> week: Learning: Operant conditioning**  
**April 1<sup>st</sup> week: Learning: observational**  
**Learning**  
**April 2<sup>nd</sup> week: Sensation: Types of senses, sensory processes-visual and auditory**  
**April 3<sup>rd</sup> week: Perception: Gestalt laws of organization**  
**April 4<sup>th</sup> week: Perception: perception of size, shape and depth**  
**May 1<sup>st</sup> week: Intelligence: cognitive and psychometric approaches, genetic and environmental influences**  
**May 2<sup>nd</sup> week: Memory: encoding, storage and retrieval processes in short term memory and long term memory**  
**May 3<sup>rd</sup> week: Real life memories, eyewitness testimony and improvement**  
**May 4<sup>th</sup> week: Forgetting: decay and interferences, Mnemonics**  
**June 1<sup>st</sup> week: Thinking and reasoning: thinking processes: concepts, Categories, inductive and deductive reasoning**  
**June 2<sup>nd</sup> week: Attention: Attentional Processes, selective and divided attention**  
**June 3<sup>rd</sup> week: Habituation: oriented reflexes, habituation and dishabituation**  
**June 4<sup>th</sup> week: Revision**  
**June 5<sup>th</sup> week: Revision**

***Class: B.A. (Pass Course) 2<sup>nd</sup> semester***

***Subject: Psychology***

***Paper Code: Experimental Psychology  
(PY01)***

***Extension Lecturer: Mrs. Kavita Devi***

**March**

3<sup>rd</sup> Week – Practical Exam

4<sup>th</sup> Week – Attention

**April**

1<sup>st</sup> Week – Psychophysics (Problems)

2<sup>nd</sup> Week – Methods of Psychophysics

3<sup>rd</sup> Week – Learning (factors)

4<sup>th</sup> Week – Trial and Error and Insight Learning

**May**

1<sup>st</sup> Week – Classical and Operant Conditioning

2<sup>nd</sup> Week – Memory

3<sup>rd</sup> Week – Long Term Memory

4<sup>th</sup> Week – Forgetting

**June**

1<sup>st</sup> Week – Problem Solving

2<sup>nd</sup> Week – Statistics

3<sup>rd</sup> Week – Mean, Median,

Mode 4<sup>th</sup> Week - Revision

## Lesson Plan Botany Department

Class: B.Sc. (Med.) 5<sup>th</sup>Semester

Subject: Botany (Theory)

From From Oct2021 to Feb 2022

<u>Time period</u>	<u>Topics</u>
<b>11Oct to 16 Oct</b>	Water & its properties
<b>18 Oct to 23 Oct</b>	Absorption of water by plants
<b>25Oct to 30 Oct</b>	Transport of water in plants
<b>8Nov. to 13 Nov</b>	Ecology
<b>15 Nov to 20 Nov</b>	Abiotic factors
<b>22Nov to 27Nov</b>	Biotic factors
<b>29Nov to 4Dec</b>	Mineral nutrients&Mineral uptake
<b>6Dec to 11Dec</b>	Stomata
<b>13 Dec to 18Dec</b>	Transpiration
<b>20Dec to 25Dec</b>	Transport of organic substances: Mechanism of phloem transport; source-sink relationship; factors affecting translocation; Photosynthesis : significance; historical aspects; <b>Assignment: Significance of Sustainable Development</b> <b>Test: UNIT-1(Physiology)</b>
<b>27Decto 1Jan</b>	Photosynthetic pigments; action spectraand enhancement effects; concept of two photosystems. Adaptations of plants to water stress and salinity <b>Assignment: Plant Pigments</b>
<b>3 Jan to 8 Jan</b>	Z-scheme; photophosphorylation; Calvin cycle; C4 pathway; CAM plants; photorespiration. Population ecology <b>Assignment: Photorespiration</b>
<b>10Jan to 15 Jan</b>	Growth and development: Definitions; phases of growth and development; seed-dormancy; plant movements. Community ecology <b>Assignment: Collection of Xerophytes</b> <b>Test: Unit-1(Ecology)</b>
<b>17 Jan to 22 Jan</b>	The concept of photoperiodism; physiology of flowering; florigen concept; physiology of senescence; fruit ripening. Ecosystem: Structure and functions <b>Assignment: Food chain, Food web and Ecological Pyramids</b>
<b>24 Jan to 29Jan</b>	Plant hormones- auxins, gibberellins, cytokinins, abscissic acid and ethylene, history oftheir discovery, mechanism of action.

	<b>Assignment: Plant hormones</b>
<b>31 Jan to 5Feb</b>	Photo-morphogenesis; Phytochromes and their discovery, physiological role and mechanism of action. Biogeochemical cycles: Carbon, nitrogen, phosphorus and hydrological cycle. <b>Assignment:Biogeochemical cycles</b>
<b>7 Feb to 12 Feb</b>	Phyto-geography: Phyto- geographical regions of India; vegetation types of India (forests). Environmental pollution: Sources, types and control of air and waterpollution. <b>Assignment: Different Geographical regions of India</b> <b>Test: Unit-2(Physiology and Ecology)</b> Global change: Greenhouse effect and greenhouse gases; impacts of global-warming; carbon trading; Ozone layer depletion; Bio-magnification. <b>Assignment: Project report on Pollution</b>

**Class: B.Sc. (Med.) 5<sup>th</sup> Semester Subject: Botany (Practical)**

**From October 2021 to February 2022**

<b><u>Time period</u></b>	<b><u>Topics</u></b>
<b><u>11 Oct. to 16 Oct.</u></b>	Plant Physiology
<b>18 Oct. to 23 Oct.</b>	Plant Physiology
<b>25 Oct. to 30 Oct.</b>	Hydrophytes
<b>8 Nov. to 13 Nov.</b>	Plant Physiology
<b>15 Nov. to 20 Nov.</b>	Plant Physiology
<b>22 Nov. to 27 Nov.</b>	Hydrophytes
<b>29 Nov. to 4 Dec.</b>	Plant Physiology
<b>6 Dec. to 11 Dec.</b>	Plant Physiology
<b>13 Dec. to 18 Dec.</b>	Xerophytes
<b>20 Dec. to 25 Dec.</b>	Xerophytes
<b>27 Dec. to 1 Jan.</b>	Ecology

<b>3 Jan. to 8 Jan.</b>	Ecology
<b>10 Jan. to 15 Jan.</b>	Plant Physiology
<b>17 Jan. to 22 Jan.</b>	Ecology
<b>24 Jan. to 29 Jan.</b>	Plant Physiology
<b>31 Jan. to 5 Feb.</b>	Ecology
<b>7 Feb. to 12 Feb.</b>	Ecology

**Class: B.Sc. (Med.) 3<sup>rd</sup>Semester Subject: Botany (Theory)**

**From October 2021 to February 2022**

<b><u>Time period</u></b>	<b><u>Topics</u></b>
<b>11 Oct. to 16Oct.</b>	Diversity in Plant forms.
<b>18 Oct.to 23 Oct..</b>	Plant tissues. <b>Test</b>
<b>25 Oct. to 30 Oct. 08 Nov. to 13 Nov.</b>	Introduction to Gymnosperms Classification of Gymnosperms Fossils and Fossilization & Geological Time-scale
<b>15Nov. to 20Nov.</b>	Fossil Gymnosperms Study of <i>Cycas</i>
<b>22 Nov. to 27 Nov.</b>	<i>Cycas</i>
<b>29Nov. to 4 Dec.</b>	<i>Pinus</i> <b>Test</b>
<b>6 Dec. to 11Dec</b>	<i>Ephedra</i>
<b>13 Dec. to 18 Dec.</b>	General characters of Angiosperms Shoot-Apical Meristem
<b>20 Dec. to 25 Dec.</b>	Cambium
<b>27 Dec. to 1 Jan.</b>	Secondary growth in stem
<b>3 Jan. to 8 Jan.</b>	Wood <b>Test</b>
<b>10 Jan. to 15 Jan.</b>	Anomalous secondary growth in Stem
<b>17 Jan. to 22 Jan.</b>	Leaf – Types& Phyllot0axy
<b>17 Jan. to 22 Jan.</b>	Leaf Anatomy

<b>24 Jan. to 29 Jan.</b>	Stomata
<b>24 Jan. to 29 Jan.</b>	Root- Apical Meristem
<b>31 Jan. to 5 Feb.</b>	Root anatomy & Secondary growth <b>Test</b>
<b>7 Feb. to 12 Feb.</b>	Structural modifications in Roots
<b>7 Feb. to 12 Feb.</b>	<b>Revision Tests</b>

**Class: B.Sc. (Med.) 3<sup>rd</sup>Semester Subject: Botany (Practical)**

**Practical lesson plan: From october2021 to February 2022**

<b><u>Time period</u></b>	<b><u>Topics</u></b>
<b>11 Oct. to 16 Oct.</b>	Preparation of permanent slides
<b>18 Oct. to 23 Oct</b>	Permanent slides and material of monocot stem
<b>25 Oct. to 30 Oct</b>	Permanent slides and material of dicot stem.
<b>8 Nov. to 13 Nov.</b>	Permanent slides and material of <i>Cycas</i>
<b>15 Nov. to 20 Nov.</b>	Permanent slides and material of <i>Cycas</i>
<b>22 Nov. to 27 Nov.</b>	Permanent slides and material of <i>Pinus</i>
<b>8 Nov. to 13 Nov.</b>	Permanent slides and material of <i>Pinus</i>
<b>29 Nov. to 4 Dec.</b>	Leaf modifications
<b>6 Dec. To 11 Dec.</b>	Monocot & Dicot Leaf
<b>13 Dec. To 18 Dec.</b>	Permanent slides and material of <i>Ephedra</i>
<b>20 Dec. to 25 Dec.</b>	Monocot & Dicot Root
<b>27 Dec. to 1 Jan.</b>	Root modifications
<b>3 Jan to 8 Jan</b>	Root modifications
<b>10 Jan to 15 Jan</b>	Stem modifications

<b>17 Jan to 22 Jan</b>	Leaf collection
<b>24 Jan to 29 Jan</b>	Stem modifications
<b>31 Jan to 5 Feb</b>	Revision
<b>7 Feb to 12 Feb</b>	Revision
	<b>Revision</b>

**Class: B.Sc. (Med.)1<sup>st</sup>Semester Subject: Botany (Theory)**

**From Oct.2021 to February 2022**

<b><u>Time period</u></b>	<b><u>Topics</u></b>
<b>11Oct to 16Oct.</b>	Bacteria- General characters,
<b>18 Oct.to 23 Oct.</b>	Bacteria- Nutrition, Reproduction, Economic importance
<b>25 Oct. to 30 Oct.</b>	General characters of Algae- Classification, Economic importance
<b>8 Nov. to 13Nov.</b>	Important features and life-history (excluding development) of <i>Volvox</i> , <i>Oedogonium</i> (Chlorophyceae),
<b>15 Nov. to 20Nov.</b>	<i>Vaucheria</i> (Xanthophyceae), <i>Ectocarpus</i> (Phaeophyceae) and <i>Polysiphonia</i> (Rhodophyceae)
<b>22 Nov. to 27 Nov.</b>	<b>Viruses:</b> General account of Viruses including structure of TMV and Bacteriophages
<b>29Nov. to 4Dec. 2021</b>	<b>Fungi:</b> General characters, classification (upto classes) and economic importance; General account of Lichens
<b>6 jan to 11 jan</b>	<b>Cell Division:</b> Mitosis and Meiosis - Stages and Significance
<b>13 jan to 18 jan</b>	<b>Chromosomal aberrations:</b> Structural and Numerical - deletions, duplications, translocations, inversions, aneuploidy, polyploidy

<b>20 jan to 25 jan</b>	Test.
<b>27 jan to 1 jan</b>	Important features and life-history of <i>Phytophthora</i> (Mastigomycotina), <i>Mucor</i>
<b>3feb to 8 feb</b>	Important features and life-history of <i>Phytophthora</i> (Mastigomycotina), <i>Mucor</i>
<b>10feb to 15 feb</b>	(Zygomycotina), <i>Penicillium</i> (Ascomycotina), <i>Puccinia</i>
<b>17 feb 22 feb</b>	<i>Agaricus</i> (Basidiomycotina), <i>Colletotrichum</i> (Deuteromycotina)
<b>24 feb to 29 feb</b>	<b>Revision and Test</b>
<b>31March to 5March</b>	<b>Ultra-structure and function:</b> Chloroplast, Mitochondria, Nucleus and Nucleolus <b>Chromosome:</b> Morphology, ultra-structure kinetochore, centromere and telomere
<b>7March to 12 March</b>	<b>Cell Cycle:</b> General account
	Sex chromosomes and Sex determination in Plants
	<b>Revision</b>



**Class: B.Sc. (Med.)1<sup>st</sup>Semester Subject: Botany (Practical)**

**From October 2021 to February2022**

<b><u>Time period</u></b>	<b><u>Topics</u></b>
<b>11Oct. to 16 Oct.</b>	Study parts of microscope
<b>18 Oct. to 23 Oct.</b>	permanent slides and material of <i>volvox</i> .
<b>25 Oct. to 30 Oct.</b>	Permanent slides and material of <i>oedogonium</i> .
<b>8 Nov. to 13 Nov.</b>	Permanent slides and material of <i>Vaucheria</i> .
<b>15 Nov. to 20 Nov.</b>	Permanent slides and material of <i>Ectocarpus</i> .
<b>22 Nov. to 27Nov.</b>	Permanent slides and material of <i>Polysiphonia</i> ,
<b>29 Nov. to 4 Dec.</b>	Permanent slides and material of <i>Mucor</i>
<b>6 Dec. To 11 Dec.</b>	Permanent slides and material of <i>Agaricus</i>
<b>13 Dec. To 18 Dec.</b>	Permanent slides and material of <i>Coliotricum</i> .
<b>20 Dec. To 25 Dec.</b>	Permanent slides and material of <i>phytophthora</i> .
<b>27 Dec. To 1 Jan.</b>	Permanent slides and material of <i>Penicillium</i>
<b>3 Jan to 8 Jan.</b>	Permanent slides and material of Puccinia.
<b>10 Jan. To 15 Jan.</b>	Permanent slides of mitosis and meiosis.
<b>17 Jan. To 22 Jan.</b>	Preparation of slide of onion root tip
<b>24 Jan to 29 Jan.</b>	Identification of collection

<b>31 Jan. to 5 Feb.</b>	Preparation of slide of onion root tip
<b>7 Feb. to 12 Feb.</b>	Revision of slides
<b>7 Feb. to 12 Feb.</b>	Specimens of Lichens

## Lesson Plan

### Department of Statistics

Name of the Assistant Professor: Dr. SUDESH
Class and Section: B.Sc. mathhons (4th Semester)
Subject: STATISTICS
Paper: ELEMENTARY INFERENCE
<b>APRIL</b>
Week 1: Definition of Parameter and Statistic ,Standard error of estimate, Point and interval estimation
Week 2: Unbiasednes, Efficiency
Week3: Consistency and Sufficiency
Week4: Revision and test
<b>MAY</b>
Week 1: Method of maximum likelihood estimation, Null and alternative hypothesis
Week 2: Simple and alternative hypothesis, critical region , level of significance
Week3: one tailed test and two tailed test, Types of error, Neyman - Pearson Lemma
Week4: Testing and interval estimation of a single mean, single proportion, two means and two proportion, Fisher Z transformation
<b>JUNE</b>
Week1: Definition of Chi-Square test for goodness of fit and independence of attributes

Week2: Definition of student t and Snedcor F –Statistics ,Testing for mean and variances of univariate normal distributions
Week3: Testing of equality of two means and two variances of two univariate normal Distributions
Week4: Analysis of variance for one-way and two-way classified data

### Lesson Plan Academic Session 2021-22

**Subject – Statistics**

**Class – BSc (Hons) (Sem 6<sup>th</sup>)**

**Paper – Operation Research II**

**Name – Dr. Sandeep Kumar**

<b>Week</b>	<b>Syllabus</b>
March Week 5	Inventory Control : introduction of inventory, factors affecting inventory, inventory models.
April Week 1	Deterministic models : Economic order quantity model when shortages are allowed / not allowed.
April Week 2	Price discounts model, multi-item inventory models.
April Week 3	Queuing Theory : Basic Characteristics of queuing system.
April Week 4	Birth-death equations, Steady state solution of Markovian queuing models with single and multiple servers.
May Week 1	With limited capacity (M/M/1/K and M/M/c/K).
May Week 2	Replacement Problems : Replacement of items whose running cost increases with time.
May Week 3	Replacement policies for the items that fail completely – Individual and the group replacement policies.
May Week 4	PERT and CPM : Introduction of PERT and CPM.
June Week 1	Earliest and latest times, Determination of critical path various types of floates.
June Week 2	Probabilistic and Cost consideration in project scheduling
<b>June Week 3</b>	<b>Sequencing problems : Processing of n jobs through 2 machines, n jobs through 3 machines.</b>
<b>June Week 4</b>	<b>2 jobs through m machines, n jobs through m machines</b>
<b>June Week 5</b>	<b>Revision and test</b>

Week	<b>APRIL TO 30 JUNE</b>
	<b>April 2022</b>
Week 1	Chi-square distribution definition, Derivation
Week2	Moment Generating Function, Cumulant Generating Function, Mean, Mode, Skewness, Additive Property, Conditions For the validity, Chi-square test of goodness of fit, Contingency table
Week 3	Coefficient of contingency, test of independence of attributes in a contingency table, T and F statistics Definition, Derivation of Student's 't', constants of distribution.
Week 4	Limiting form of t-distribution, Definition & derivation of Snedcor's F distribution, Constants of F- Distribution, Mode of F- Distribution, Relationship Between T,F and chi-square distribution.
	<b>MAY 2022</b>
Week 1	Testing for the mean and variance of univariate normal distributions, Related confidence intervals, Testing for the significance of sample correlation coefficient in sampling from bivariate normal distribution.
Week 2	Nonparametric Tests: Definition of order statistics and their distributions, sign test for univariate and bivariate distribution run test
Week 3	Median test, Kolmogorove – Simrnov one sample test, Kolmogorove-Simrnov two sample test
Week 4	Mann Whitney U-test (only applications without derivation), Analysis of variance (ANOVA) : Definition, assumptions for ANOVA test
Week 5	one-way and two-way classifications for fixed effect model with one observation per cell, Introduction to design and experiment, terminology, Experiment, Treatment, Experimental unit, blocks, experimental error, replication, precision.
	<b>JUNE 2022</b>
Week 1	efficiency of a design, need for design of experiments, size and shape of plots and blocks, Fundamental principles of design, randomization, replication and local control, completely randomized design.
Week 2	randomized Block Design, their layout, statistical analysis, applications, advantages, disadvantages, and efficiency of RBD relative to CRD, Latin square design (LSD) standard Latin square design.
Week 3	layout of LSD, its statistical analysis, applications, merits and de-merits, Factorial designs – $2^2$ and $2^3$ designs, illustrations, main effects and interaction effects.
Week 4	Yate's method for computing main and interaction effects.

# Lesson Plan

Academic Session 2021-2022

Subject : Statistics

Paper : Parametric and Non-Parametric Tests, Design of Experiment.

Class : B.A/Bsc 4 sem

Name : Dr. Jyoti

Week	Syllabus
April 1 <sup>st</sup> & April 2 <sup>nd</sup>	Operations Research: Definitions, Nature Objectives, Scope and Importance.
April 3 <sup>rd</sup>	Operation Research Models: Classification, Formulation, Principle of Modeling, Characteristics of a Good Model
April 4 <sup>th</sup>	Advantages & Disadvantages. Applications of Operations Research Models. Linear Programming Problem: Definitions (Including General Form)
April 5 <sup>th</sup>	Formulation (with Real Life examples) and Graphical Solution of LPP. Solution of Linear Programming Problems (LPP) by using Simplex Method.
May 1 <sup>st</sup>	Degeneracy problems and their solutions. Transportation Problem (TP): Definition Formulation of a LPP as TP. Initial Basic Feasible Solution of TP by North-West Corner Rules, Row Minima Method
May 2 <sup>nd</sup>	Column Minima Method, Matrix Minima Method (Least cost entry method) and Vogel's Approximation Method. Assignment Problem: Definition and its Solution.
May 3 <sup>rd</sup>	Statistical Quality Control: Meaning and uses of SQC, Causes of Variations in Quality, Product and Process Control, Control Charts, 3- Control Limits, Control Chart for Variables-X and R Chart
May 4 <sup>th</sup>	Criteria for Detection of Lack of Control in X & R Charts, Interpretation of X & R Charts, Control Chart for Standard Deviation (charts), Control Charts for Attributes- p and c Charts.
May 5 <sup>th</sup> & June 1 <sup>st</sup>	Acceptance Sampling: Problem of Lot Acceptance, Stipulation of good and bad Lots, Producer's and Consumers Risks, Single and Double Sampling Plans, their OC Functions
June 2 <sup>nd</sup>	Concepts of AQL, LTPD, AOQL, Average Amount of Inspection and ASN Function, Rectifying Inspection Plans. Sampling Inspection Plans.
June 3 <sup>rd</sup>	Demand Analysis: Laws of Supply and Demand, Price Elasticity of Demand, Demand Function with Constant Price Elasticity, Partial Elasticities of Demands (Income Elasticity & Cross Elasticity)
June 4 <sup>th</sup>	Types of Data required for Estimating Elasticities, Family Budget Data Time Series Data, Leontief's and Pigous's Methods from Time Series Data to Estimate Demand Functions.
June 5 <sup>th</sup>	Engel's Law, Pareto's Law of Income Distribution, Curves of Concentration, Lorenz Curve and Gini's Coefficient.

## **Lesson Plan of Economics Department**

**Name: Dr. Monika      Subject: Economics      Class: B.A. Economics Hons.**

**Semester: 4<sup>th</sup> Paper: Macro Economics**

Week	Topics	Assignment
1	Keynesian Multiplier, Dynamic and Static Multiplier	
2	Accelerator and Super Multiplier	
3	Classical and Keynesian Theory of Money and Prices	
4	Theories of Inflation: Demand Pull and Cost Push Inflation	Assignment
5	Philips Curve Analysis	
6	Keynesian Theories of Interest Rate	
7	IS-LM Theories of Interest Rate	Assignment
8	Monetary and Fiscal Policies	
9	Introduction of Trade Cycles	Test
10	Theories of Trade Cycles: Hicks and Samuelson	
11	Economic Growth and Theories: Harrod- Domar Model	
12	Neo-Classical Theories	
13	Revision	

## Lesson Plan Economics

**Name: Dr. Monika**

**Subject: Economics**

**Class:**

**B.A. Pass course**

**Semester: 4<sup>th</sup> Paper: Macro Economics**

Week	Topics	Assignment
1	Introduction to Macroeconomics	
	Concept of Money, Demand for Money,	
2	Quantity Theory of Money Liquidity Preference and rate of Interest	
3	Money Supply, Credit Creation	
4	Monetary Policy	Assignment

5	IS-LM Analysis	
6	Theories of Trade Cycles	
7	Harrod-Domar Growth Models	Assignment
8	International Trade and Balance of Payment	
9	Foreign Exchange Market and Determination of Exchange Rates	Test
10	Nature and Scope of Public Finance, Nature and scope of Public Finance, Principle of Maximum Social Advantage	
11	Impact and Incidence of Taxes, Characteristics of Good Taxation System	
12	Revision	
13	Revision	

**Name: Dr. Monika**

**Subject: Economics**

**Class: B.A. Economics**

**Hons.Semester: 6<sup>th</sup>**

**Paper: Human Resource Development**

Week	Topics	Assignment
1	Concept, Nature and Scope, significance of HRD and	



2	Objective and Function, HRD and Man power Planning	
3	Concept, Determinants and problems of measurement in Human Capital	
4	Theories of Human Capital Formation in developing Economies	Assignment
5	Role of public and private investment in human capital formation, Economics of Education, health and nutrition	
6	Brain drain, asymmetric information and functioning of human resource market	
7	Migration theories	Assignment
8	Managing human resources	
9	HRM in developed countries and in India	Test
10	Human resource Management and systems in new millennium	
11	Human Resource Information System	
12	Revision	
13	Revision	

**Name: Dr. Monika**

**Subject: Economics**

**Class: M.A.**

**Semester: 2nd Paper: Economics of Growth**

**and Development**

Week	Topics	Assignment
1	Importance of Agriculture and industry, Poverty	
2	Government and Market	
3	Trade as an Engine of Growth, Two Gap Analysis, Prebisch-Singer Myrdal Views	
4	Gains from Trade, FDI	
5	MNCs, Monetary and Fiscal Policy, Choice of Appropriate Technology	Assignment
6	Cost-Benefit Analysis, Investment Criteria	

7	Revision	Assignment
8	Techniques of Planning, Plan Model in India	
9	Planning in a Market oriented Economy, Role of Education in Economic Development	Test
10	Role of Knowledge and Crosscountry Differential in Economic Development and Growth	
11	Revision	
12	Revision	
13	Revision	

**Name: Dr. Pardeep Kumar Duhan    Subject: Economics    Class: B.A. Economics**

**Hons.Semester: 6<sup>th</sup>**

**Paper: Economics of Industry**

Week	Topics	Assignment
1	Nature and Scope of industrialeconomics, History and development of industry	
2	Basic concepts: Firm industry, Market structure, market power, passive and active behavior of firm	
3	Conceptual framework of industrial economics, organizational and alternative motives of firm	

4	Efficiency, optimum size of firm, growth of firm	Assignment
5	Acquisition , diversification,	
6	merger constraints on growth	

7	Market: Sellers concentration, product differentiation	Assignment
8	Entry condition and economics of scale, Advertising strategy, profitability	
9	Factors affecting industrial location, contribution of weber, sargent and Florange	Test
10	Location Policy in India	
11	Industrial concentration and dispersal in India	
12	Revision	
13	Revision	

**Name: Dr. Pardeep Kumar Duhan    Subject: Economics    Class: M.A.**

**Semester: 2nd Paper: Macro Economics**

Week	Topics	Assignment
1	Classical Approach to Demand for Money, Keynesian Liquidity Approach	
2	Friedman, Patinkin, Baumol and Tobin Theory of Demand for Money	

3	Determinants of Money Supply, High Powered Money, Money Multiplier	
4	Economic Effects of Inflation	
5	Demand and Supply Side Theories of Inflation	Assignment
6	Philips Curve, Inflationary Pressure Curve and Rate of Inflation, Trade-off, non trade-off in Philips Curve	
7	Adaptive Expectation and Rational Expectation, Keynesian and Monetarism	Assignment
8	Trade Cycles: Samuelson, Hicks and Kaldor	
9	Harrod-Domar Model, Neo-classical Model	Test
10	Determination of National Income in Open Economy	
11	Transmission under Fixed Exchange Rate	
12	Transmission under Floating Exchange Rate	
13	Revision	

**Name: Dr. Pardeep Kumar Duhan    Subject: Economics    Class: B.A. Economics**

**Hons.Semester: 4<sup>th</sup>**

**Paper: Computer Application in Economic Analysis**

Week	Topics	Assignment
1	Opening, Saving and printing documents, Editing and formatting, inserting page no and foot notes, auto format	

	and properties	
2	Inserting graphs and diagrams, introduction to MS power point, power point using design template and text structure	
3	Microsoft Excel: creation, data entry, formatting, sorting, importing and exporting	
4	Financial and Statistical function and analysis, Data Analysis: correlation	Assignment
5	Data Analysis Regression, oneWay Anova, creation of diagrams and graphs	
6	Networking: Intranet, Internet, LAN, WAN, Internet Explorer	
7	Emails, Computer, documents and internet security, Antivirus	Assignment
8	SPSS	
9	SPSS And Data Analysis	Test
10	SPSS and Correlation and Regression	
11	SPSS and graphs and diagrams	
12	Revision	
13	Revision	

**Name: Dr. Pardeep Kumar Duhan    Subject: Economics    Class: B.A. Pass  
course Semester: 4<sup>th</sup>**

**Paper: Macro Economics**

Week	Topics	Assignment
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1	Introduction to Macroeconomics Concept of Money, Demand for Money,	
2	Quantity Theory of Money Liquidity Preference and rate of Interest	
3	Money Supply, Credit Creation	
4	Monetary Policy	Assignment
5	IS-LM Analysis	
6	Theories of Trade Cycles	
7	Harrod-Domar Growth Models	Assignment
8	International Trade and Balance of Payment	
9	Foreign Exchange Market and Determination of Exchange Rates	Test
10	Nature and Scope of Public Finance, Nature and scope of Public Finance, Principle of Maximum Social Advantage	
11	Impact and Incidence of Taxes, Characteristics of Good Taxation System	
12	Revision	
13	Revision	

**Name of College: GCW Rohtak Session: 2021-**

**22 Name of Assistant Professor: Dr. Yogesh**

**Class: B.A. (P) 2nd Sem Section: B Subject: Micro Economics**



Month	Description of the Syllabus to be covered	Other activities
21 March to 15 April	Market Structures, Perfect Competition: Characteristics and assumptions, Price determination under perfect competition, Equilibrium of the firm and industry in the short period and the long period. Monopoly: Characteristics, Equilibrium of the monopoly firm in short period and long period, Concept of supply-curve under monopoly, Price discrimination, Measure of monopoly power.	Classroom Quiz
16 April to 10 May	Imperfect Market: Monopolistic competition, characteristics, short period and long period equilibrium of the firm, Group-equilibrium, selling costs, product differentiation, excess capacity. Oligopoly: Characteristics, emergence of oligopoly, cournot's model, Bertrand's model, Price rigidity, Price leadership, Collusive and non-collusive oligopoly.	Unit Test
11 May to 5 June	Market failure: Market efficiency, Reasons for Market failure, Public goods and externalities, transaction costs, asymmetric information, public policy towards monopoly and competition.	Group discussion
6 June to 30 June	Theory of factor pricing: Marginal productivity theory of distribution, Backward bending supply curve of labour, Ricardian and modern theory of rent, quasi-rent, net and gross interest, theories of interest, net and gross profit, theories of profit.	Unit Test

**Name of College: GCW Rohtak Session: 2021-22**

**Name of Assistant Professor: Dr. Yogesh**

**Class: B.A. (Eco. Hons) 4th Sem**

**Subject: Basic of**

### **Statistics**

Month	Description of the Syllabus to be covered	Other activities
21 March to 15 April	Correlation and Regression: Simple Correlation: Type of correlation, Karl Pearson's Coefficient of correlation and Spearman's Rank correlation, Concurrent Deviation method. Coefficient of	Classroom Quiz

	determination. Regression analysis – Concept , fitting of regression	
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	lines (method of least squares). Properties of regression coefficients.	
16 April to 10 May	Time Series Analysis - Concept and components, Determination of trend (Linear, Quadratic and Exponential) and seasonal Variations.	Unit Test
11 May to 5 June	Probability: Random experiment, Random variable, Sample space and events. Permutation and combinations. Theorems of Probability (Addition and Multiplication). Conditional probability.	Group discussion
6 June to 30 June	Theoretical Distribution-Binomial, Poisson and Normal, with their Properties	Unit Test

**Name of College: GCW**

**Rohtak Session: 2021-22**

**Name of Assistant Professor: Dr. Yogesh**

**Class: B.Com (Pass) 2nd sem Section: C**

**Subject: Business Economics**

Month	Description of the Syllabus to be covered	Other activities
21 March to 15 April	Perfect Competition: Profit Maximization and equilibrium of firm and industry; Short run and Long run Supply Curves; Price and output determination, Practical Applications. Monopoly: Determination of price under Monopoly; Equilibrium of a firm; comparison between Monopoly and Perfect Competition; Price Discrimination; Multi-Plant Monopoly, Practical Applications.	Classroom Quiz
16 April to 10 May	Monopolistic Competition: Meaning and Characteristics; price and output determination under monopolistic Competition; Product differentiation; Selling cost; comparison with Perfect Competition; Excess capacity under Monopolistic Competition, Oligopoly : features, price rigidity model, duopoly model, price leadership.	Unit Test
11 May to 5 June	Marginal Productivity Theory and demand for factors; nature of supply of factor inputs, Determination of wage rates under perfect	Group discussion

	competition and monopoly. Exploitation of labour; Rent-Concept, Recardian concept and Modern Theories of rent; Quasi Rent.	
6 June to 30 June	Interest- concept and Theories of interest; Profit- nature, concept and theories of profit, break-even point analysis.	Unit Test

**Name of College: GCW Rohtak Session: 2021-22**

**Name of Assistant Professor: Dr. Yogesh**

**Class: MA Economics**

**Subject: Micro Economics**

Month	Description of the Syllabus to be covered	Other activities
21 March to 15 April	Price and output determination: Oligopoly-Price and output determination – Non Collusive: Cournot, Kink demand curve and price rigidity, Collusive: Price leadership, Cartels.	Classroom Quiz
16 April to 10 May	Alternative Theories of the Firm: Critical evaluation of marginal analysis; Baumol's sales revenue maximization model (simple static with advertisement model); Full-cost pricing rule; Bain's, limit pricing theory.	Unit Test
11 May to 5 June	Theory of Factor Pricing: Market for Factor Inputs: (largely with reference to Labour): A Firm's and Market Demand for labour (with one and several variable inputs) and its determinations. Supply of labour to a firm and the Market. Equilibrium Wage Rate and Employment under:- (i) Competitive Factor and Product Market (ii) Monopsonistic buyer of Labour and perfect competition in Labour market (iii) Imperfect competition in product market and Trade Union Monopoly (iv) Bilateral Monopoly	Group discussion

6 June to 30 June	Welfare Economics: Conditions of Pareto Optimality; Paretoefficiency versus Pareto optimality, Market failure and its causes; Markets with Imperfect competition; consumption and production externalities; public goods. Ways for correcting it.	Unit Test
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**Name: Dr. Yogita      Subject: Economics      Class:**

**B.Com. Eco. Pass Course      Semester: 2nd Paper: Business**

### **Economics**

Week	Topics	Assignment
1	Introduction to Different Markets, Characteristics of Perfect Competition, Equilibrium of Firm and Industry	
2	Short run and long run supply curves, price and output determination	
3	Monopoly: Characteristics, Equilibrium of firm, Price discrimination, Multi plant monopoly.	
4	Monopolistic Competition: Characteristics, Price and output determination, Product Differentiation, Excess capacity	
5	Oligopoly: Features, Price rigidity model, Price Leadership	Assignment

6	<p>Marginal Productivity</p> <p>Theory,Demand and</p> <p>Supply for factors</p> <p>Determination of wages</p>	
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7		
8	Rent: Ricardian Theories of Rent	Assignment
9	Modern Theories of Rent	
10	Concept and Theories of Interest	
11	Theories of Profit	Test
12	Revision	
13	Revision	

**Name: Dr. Yogita**

**Subject: Economics**

**Class:**

**B.Com. Hons.**

**Semester: 2nd Paper: Business Economics**

Week	Topics	Assignment
1	Cost of Production: Long Run and Short Run Cost of Production	
2	Economies and Diseconomies of Scale and Learning Curve	
3	Introduction to Different Markets, Characteristics of Perfect Competition, Equilibrium of Firm and Industry	
4	Short run and long run supply curves, price and output determination	
5	Monopoly: Characteristics, Equilibrium of firm, Price discrimination, Multi plant monopoly.	Assignment
6	Monopolistic Competition: Characteristics, Price	

	and output determination, Product	
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	Differentiation, Excess capacity	
7	Walrasian and Marshallian Stability Analysis	
8	Capital Formation and Economic Development	Assignment
9	Vicious Circle of Poverty	
10	Role Of Technology in Development	
11	Role Of Institutional Factors in Development	Test
12	Revision	
13	Revision	

**Name: Dr. Yogita Hons.**

**Subject: Economics Semester: 6<sup>th</sup>**

**Class: B.A. Eco.**

**Paper: International Economics**

Week	Topics	Assignment
1	Introduction to International Economics, Rationale of Protection: Tariff Barriers to Trade	
2	Non-Tariff Barriers to Trade	
3	Forms of Economic Co-operation	
4	Static Effects of Custom Union and Free Trade Area	
5	Dynamic Effects of Custom Union and Free Trade Area	Assignment
6	WTO and India	
7	Recent Changes in Direction and Composition of India's Foreign Trade	Assignment
8	Revision	

9	Working and Regulation of MNCs IN India	Test
	Export Promotion and Import substitution	
	Recent Export Policy and Import Policy	
12	Revision	
13	Revision	

**Name: Dr. Yogita**

**Subject: Economics**

**Class: M.A.**

**Semester: 2ndPaper: Statistical Methods**

Week	Topics	Assignment
1	Probability Distribution: Binomial Distribution	
2	Poisson and Normal Distribution	
3	Methods and types of Sampling	
4	Properties of Good Estimator, point and interval estimation	
5	OLS And ML Estimators of Regression parameters	Assignment
6	Parameters and ESstimators ,Sampling Distribution, standard error, hypothesis testing	
7	Test of significance, Errors,Level of Significance	Assignment
8	Z, t and F test, Chi Square test	
9	Revision	Test
10	Correlation	
11	Revision	
s12	Regression	

13	Revision	
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## Lesson Plan

**Class –B.A.(Honours) 2nd**

**semesterFaculty –Dr. Bhupinder**

**Subject –Micro Economics -11**

**Lesson Plan Duration –From March 21 ,2021 to June 30, 2022**

Time Period	Topics
Week,1	Price and output determination:- oligopoly -price and output determination
Week, 2	Non collusive model ,Kink demand curve and price rigidity
Week, 3	Collusive price leadership ,cartels
Week, 4	Alternative theories of the firm:' critical evaluation of marginal analysis, sales revenue maximization model (simplestatic withadvertisement model)
Week, 5	Full cost pricing rule ; Bain's limit pricing theory
Week, 6	Theory of factor pricing; market for factor inputs (largelywith reference to labour) a firms and market demand for alabour (with one and several variable inputs) and its determinations
Week, 7	Supply of labour to a Firm and the market ;-equilibrium wagherate and Employment under competitive factor and product market
Week, 8	Equilibrium wage rate and Employment under monopsonistic buyer of labour and perfect competition in labour market
Week, 9, 10	Imperfect competition in product market and trade union Monopoly ,bilateral monopoly
Week, 11	Welfare economics ; conditions of Pareto optimility and

	revision of unit first
Week, 12	Pareto efficiency versus Pareto optimality and revision of unit second
Week 13	Market failure and its causes; market with imperfect competition ;consumption and production extremities ;publicgoods ,ways for collecting it

### Lesson Plan

**Class –B.A.(Honours) 2nd**

**semesterFaculty –Dr. Bhupinder**

**Subject –Mathematics For Economic Analysis-11**

**Lesson Plan Duration –From March 21 ,2021 to June 30, 2022**

Time Period	Topics
Week,1	Integration ,meaning and economic interpretation ,indefinite and Definite Integration
Week, 2	Simple techniques including integration by substitution andintegration by parts
Week, 3	Differential equation- basic concepts ,bsolution of first order linear differential equation
Week, 4	Non- linear differential equation -exact type only
Week, 5	Non- linear differential equation ,variable separable type only
Week, 6	Linear differential equation of second order with constant Coefficient and term
Week, 7	Differencel equation- basic concepts solution of first order linear difference equation
Week, 8	Solution of second order linear difference equation with constant term and coefficient
Week, 9, 10	Linear programming --relevance and basic concepts, graphic method, revision of unit first

Week, 11	Simplex and dual solution method, revision of unit second
Week, 12	Economic interpretation of rule and revision of revision of unit 3rd
Week 13	Revision and test of whole syllabus

### **Lesson Plan**

**Class – M.A. 2nd**

**Semester Faculty – Dr.**

**Bhupinder**

**Subject -Development Economics-11**

**Lesson Plan Duration - From March 21 ,2022 to June 30, 2022**

Time Period	Topics
Week, 1	Dualistic development :-social and Technological dualism
Week, 2	Nurkse disguised unemployment as saving potential ,Fei Ranis theory of dual economy
Week, 3	Haris Todaro model of migration and revision of unit first
Week,4	Models of growth : classical model Mill theory
Week, 5	Models of growth ; -the Marxian model and Keynesian model
Week, 6	Inequality and development ;meaning ,measurement Lorenz curve
Week, 7	Kuznets inverted U shape curve
Week, 8	Inequality and development- interconnection population growth and economic development
Week,9	Capital formation; meaning and sources ,capital output ratio
Week,10	Human capital: concept and utilisation
Week, 11	Foreign aid and economic development and revision of unit 1st
Week,12	Transfer of Technology and revision of unit second
Week, 13	Revision of unit 3rd and 4th

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## Lesson Plan

**Class – B.A.(Pass) 6th semester**

**Faculty – Dr. Bhupinder**

**Subject – International Economics**

**Lesson Plan Duration – From March 21 ,2021 to June 30, 2022**

Time Period	Topics
Week,1	International and inter-regional trade; comparative Cost Theory
Week, 2	Heckscher-Ohlin Theory, ;Rate of exchangedetermination
Week, 3	Mint Par theory and purchasing power parity theory
Week, 4	Fixed and flexible exchange rate;;
Week, 5	Exchange rate policy in India
Week, 6	Free trade and protection
Week, 7	Terms of trade, exchange control
Week, 8	India's foreign trade, balance of payment
Week, 10	Foreign trade multiplier, and revision of unit 1st
Week, 11	International monetary fund and revision of unit 2nd
Week, 12	World bank and revision of unit 3rd

Week 13	World trade organisation and South Asian Association for regional cooperation
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### **Lesson Plan**

**Class – M.A. 2nd Semester**

**Faculty – Dr. Bhupinder**

**Subject - Managerial**

**Economics**

**Lesson Plan Duration - From March 21 ,2022 to June 30, 2022**

Time Period	Topics
Week, 1	Meaning and nature of managerial economics
Week, 2	How does economic Contribute to managerial function ,business decisions and economic analysis
Week, 3	Scope of managerial economics ,application of microeconomics to operational issues
Week,4	Application of macroeconomics to business environment The gap between theory and practice and the role of managerial economics
Week, 5	Analysis of market demand ,meaning of market demand, types of demand, determinants of market demand
Week, 6	Demand elasticity importance of elasticity concept ,price elasticity of demand measuring price elasticity from a demand function, determinants of price elasticity of demand
Week, 7	Price elasticity and total revenue, price elasticity and marginal revenue, cross elasticity of demand, income elasticity of demand

Week, 8	elasticity of price expectations, promotional elasticity of sales, revision of unit-1
Week,9	Demand forecasting ,why demand forecasting ,techniques of demand forecasting ,survey methods ,complete enumeration ,sample survey and end use methods
Week,10	Opinion Poll methods ,Expert Opinion method, Delphi method and market studies and experiments
	,statistical methods, trend projects method, based on time series data, economic methods
Week, 11	Cost and break even analysis ,some accounting and analytical cost concepts, economies and Diseconomies of scale
Week,12	Break even analysis, linear and non-linear cost and revenue functions ,contribution analysis
Week, 13	profit volume Ratio, margin off safety

**Name: Dr. Satyawan Jatain      Subject: Economics Class: B.A. Economics**

**Hons.Semester: 4<sup>th</sup>**

**Paper: Welfare Economics**

Week	Topics
1	Infinite no. of Non Comparable of Optima
2	Kaldor and Hicks Model
3	Brone's Contribution
4	Scitovsky Double Criteria
5	Community I.C. Map
6	UPC- Samuelsson
7	Value Judgment
8	Bergson Social Welfare Function
9	Arrow's Impossible Theorem
10	Private and Social Cost
11	Externalities



12	Public goods
13	Revision

**Name :Dr. Satyawan Jatain      Subject: Economics      Class: B.A.**

**Pass courseSemester: 6<sup>th</sup>**

**Paper: International Economics**

Week	Topics
1	Theories of I.T.
2	Foreign Exchange
3	Modern Theory
4	Free Trade and Protection
5	T.O.T
6	Volume, Composition and Direction Of I.T.
7	B.O.P
8	Foreign Trade Multiplier
9	IMF
10	World Bank
11	WTO
12	SAARC
13	Revision

**Name: Dr. Satyawan**

**JatainSubject:**

**Economics**

**Class: B.A. Economics Hons.**

**Semester: 6<sup>th</sup>**

**Paper: Public Finance**

Week	Topics
1	Nature and Scope of Public Finance
2	Private merit and Public Goods
3	Functions of Governments
4	Government Budget
5	Budget Deficit
6	Eco. and Functional classification
7	Source of Revenue

8	Ability to pay Principle and Theory of Incidence
9	Taxable Capacity
10	Public Expenditure
11	Wagener's Law
12	Cannon of Expenditure and Recent Trends
13	Revision

**Name: Dr. Satyawan**

**JatainSubject:**

**Economics**

**Class: M.A. Semester: 2nd**

**Paper: Mathematics for**

**Economist**

Week	Topics
1	Basics of Integration
2	Integration by Parts
3	Application of Integration.
4	Differential Equations: Basic
5	Linear Differential Equations
6	Applications of Differential Equations
7	Difference Equations: Basic
8	Homogeneous Difference Equations
9	Application of Difference Equations
10	LPP formulation
11	LPP Graphic Methods
12	LPP Simplex Method
13	Revision

**Name: POOJA Subject: Economics Class: BA 1<sup>st</sup>HONS Semester:**

**2ndPaper: INDIANECONOMY PROBLEMS AND PROSPECTUS-II**

Week	Topics	Assignment
1	Problem of indian economy	
2	Agriculture :importance and causes of low productivity	Online Test
3	Land reforms	
4	Industrial development and industrial policy	Assignment
5	Large scale industry and small	

	scale industry	
6	Indian tax structure	
7	Direction and composition of exports and imports	Assignment
8	Economic reforms-liberalization	
9	Privatization	Test
10	Globalisation	Revision

## LESSON PLAN

**NAME: MS. POOJA**

**DEPARTMENT: ECONOMICS**

**COLLEGE: GOVERNMENT COLLEGE FOR WOMEN, ROHTAK.**

**SEMESTER: EVEN**

**SESSION: 2021-22**

	<b>B.A. ECO. HONS.</b>
<b>WEEKS</b>	<b>FIRST YEAR, sem -02</b>
	<b>INDIAN ECONOMY 2</b>
WEEK - 1	PROBLEMS OF INDIAN ECONOMY
WEEK - 2	AGRICULTURE- IMPORTANCE AND CAUSES OF LOW PRODUCTIVITY
WEEK - 3	LAND REFORMS
WEEK - 4	INDUSTRIES DEVELOPMENT AND INDUSTRIAL POLICY
WEEK - 5	LARGE SCALE INDUSTRIES
WEEK - 6	SMALL SCALE INDUSTRIES
WEEK - 7	INDIAN TAX STRUCTURE
WEEK - 8	DIRECTION AND COMPOSITION OF EXPORT AND IMPORT
WEEK - 9	ECONOMIC REFORMS -LIBERLIZATION
WEEK - 10	PRIVATIZATION
WEEK - 11	GLOBALIZATION
WEEK - 12	CENTRAL STATE FINANCE RELATION
WEEK - 13	ASSIGNMENT, TEST AND REVISION
	<b>B.A. ECO. HONS.</b>
<b>WEEKS</b>	<b>THIRD YEAR, sem-06</b>
	<b>HISTORY OF ECONOMIC THOUGHT</b>
WEEK - 1	MARXIAN ECONOMICS
WEEK - 2	THEORY OF VALUE
WEEK - 3	THEORY OF CAPITAL ACCUMULATION
WEEK - 4	THEORY OF CRISIS
WEEK - 5	JEVON THEORY
WEEK - 6	JEVON THEORY
WEEK - 7	BOHM-BAWERK'S THEORY
WEEK - 8	WALRAF THEORY
WEEK - 9	KEYNES THEORY

WEEK – 10	WELFARE -ARROW THEORM
WEEK – 11	SOCIAL CHOICE THEORY
WEEK – 12	RATIONAL EXPECTATION MODAL
WEEK – 13	ASSIGNMENT, TEST AND REVISION
	B.A PASS.
WEEKS	FIRST YEAR,sem-02
	MICRO ECONOMICS
WEEK - 1	MARKET STRUCTURE
WEEK - 2	PERFECT COMPETITION
WEEK - 3	MONOPOLY
WEEK - 4	MONOTOLISTIC COMPETITION
WEEK - 5	OLIGOPOLY
WEEK - 6	MARKET SUCCESS
WEEK - 7	MARKET FAILURE
WEEK – 8	THEORY OF FACTOR PRICING
WEEK – 9	RICARDO THEORY
WEEK – 10	RENT
WEEK – 11	INTEREST
WEEK – 12	PROFIT
WEEK – 13	ASSIGNMENT, TEST AND REVISION
	BBA
WEEKS	FIRST YEAR,SEM-2
	MACRO ECONOMIC ANALYSIS AND POLICY
WEEK - 1	NATURE AND SCOPE OF MACRO ECONOMICS
WEEK - 2	CIRCULAR FLOW OF NATIONAL INCOME,
	NATIONAL INCOME
WEEK - 3	AGGREGATE DEMAND AND SUPPLY,TRADECYCLES
WEEK - 4	CONSUMPTION
WEEK - 5	KEYNESIAN MODEL, MULTIPLIER
WEEK - 6	FISCAL POLICY, PUBLIC DEBT
WEEK - 7	TAXES
WEEK – 8	SUPPLY OF MONEY
WEEK – 9	CENTRAL BANK, CREDIT CREATION
WEEK – 10	MONETARY POLICY,
WEEK – 11	INFLATION MANAGEMENT
WEEK – 12	MONETARY CONTROL
WEEK – 13	ASSIGNMENT, TEST AND REVISION

### Lesson Plan

**Name of Assistant/Associate Professor : Miss. Sadika**

**Class and Section : B.A. 6th Even Semester (Session 2021-22)**

**Subject : Music Vocal Theory : Friday and Saturday, Practical all the six days**

Week	Topics
1	Note down Syllabus to the Students
	Demonstration of Playing and singing of Five alankars on Harmonium in raga Bhimplasi
	Practice of Playing and singing of Five alankars on Harmonium in raga Bhimplasi
2	Notation of Drut Khayal in Raga Bhimplasi
	Demonstration of Notations singing in Drut Khayal on Harmonium in raga Bhimplasi
	Practice of Notations singing in Drut Khayal on Harmonium in raga Bhimplasi
	Elementary Knowledge of the folk music of Haryana
	Detail Description of Deepchandi with its notation in thah and dugun layakaries
3	Demonstration of notation singing in drut khayal with alaps and tanas on harmonium in rag Bhimplasi
	Practice of notation singing in drut khayal with alaps and tanas on harmonium in rag Bhimplasi
	Origin and development of notation system merits and demarits of notation system
	Detail study of the prominent gharana of Khayal gayan
4	Demonstration of Deepchandi in Thah, Dugun, Tigun and Chaugun Layakaries by hand
	Practice of Deepchandi in Thah, Dugun, Tigun and Chaugun Layakaries by hand
	Detail study of the prominent gharana of Khayal gayan..continue..

5	Detail Description of raga Madhunvanti. Practice of Dhamar in Thah, Dugun, Tigun and Chaugun Layakaries by hand
	Demonstration of Playing and singing of Five alankars on Harmonium in raga Madhunvanti.
	Practice of Playing and singing of Five alankars on Harmonium in raga Madhunvanti.
	Practice of Playing and singing of Five alankars on Harmonium in raga Madhunvanti.
6	Notation of Vilambit Khayal in raga Madhunvanti with Aalaps and Tanas
	Notation of Drut Khayal Madhunvanti with Aalaps and Tanas
	Demonstration of Notations singing in Drut Khayal on Harmonium in raga Madhunvanti
7	Practice of Notations singing in Drut Khayal on Harmonium in raga Madhunvanti
	One Tarana of raga Madhunvanti or Bhimplasi
	Contribution of Lal Mani Mishra in the field of music
8	Demonstration of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Madhunvanti
	Practice of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Madhunvanti
	Contribution of K.C.D. Bhrespati in the field of music
	Detail Description of Raga Patdeep Demonstration of Playing and singing of Five alankars on Harmonium in raga Raga Patdeep
9	Contribution of Kumar Gandarv in the field of music
	Practice of Playing and singing of Five alankars on Harmonium in raga Raga Patdeep
10	Practice of Playing and singing of Five alankars on Harmonium in raga Raga Patdeep

	Demonstration of Notations singing in Drut Khayal on Harmonium in raga Raga Patdeep
	Practice of Notations singing in Drut Khayal on Harmonium in Raga Patdeep  Demonstration of Notations singing in Drut Khayal with alaps and tanas on Harmonium in Raga Patdeep
<b>12</b>	Practice of Notations singing in Drut Khayal with alaps and tanas on Harmonium in Raga Patdeep
	Detail Description of Dhamar taal with its notation in thah, dugum, tigung and chaugun layakaries  Demonstration of Dhamar in Thah, Dugun, Tigung and Chaugun Layakaries by hand  Test
<b>13</b>	Demonstration of Notations singing in Vilambit Khayal on Harmonium in raga Madhunvanti
	Practice of Notations singing in Vilambit Khayal on Harmonium in raga Madhunvanti
	Assignment ;
	Practice of Notations singing in Vilambit Khayal on Harmonium in raga Madhunvanti
	Demonstration of Notations singing in Vilambit Khayal with alaps and tanas on Harmonium in raga Madhunvanti
	Practice of Notations singing in Vilambit Khayal with alaps and tanas on Harmonium in raga Madhunvanti
	Demonstration of singing Tarana in raga Madhunvanti or Bhimplasi
	Theoretical revision of all syllabus Practical revision of all ragas and taals of syllabus

# **Lesson Plan of Music Department**

**Name of Assistant/Associate Professor : Miss. Sadika**

**Class and Section : B.A. 4th Even Semester (Session 2021-22)**

**Subject :Music Vocal (Wednesday and Thursday Theory ); All Six Days Practical**

<b>Week</b>	<b>Topics</b>
<b>1</b>	Note down Syllabus to the Students
	Demonstration of Playing and singing of Five alankars on Harmonium in raga Malkauns
	Practice of Playing and singing of Five alankars on Harmonium in raga Malkauns
	Write Short Note of Gram
<b>2</b>	Description of Raga Malkauns
	Demonstration of Notations singing in Drut Khayal on Harmonium in raga Malkauns
	Practice of Notations singing in Drut Khayal on Harmonium in raga Malkauns
	Notation of the composition Drut khayal in raga Malkauns
<b>3</b>	Demonstration of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Malkauns
	Description of Tivra Taal with its notaion with Thah and Dugun layakaries
	Practice of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Malkauns
	Details Study of Chaturang
<b>4</b>	Detail Study of Geet Notations singing in Vilambit Khayal on Harmonium in raga Malkauns
	Practice of Notations singing in Vilambit Khayal on Harmonium in raga Malkauns



	Test
<b>5</b>	Practice of Notations singing in Vilambit Khayal with alaps and tanas on Harmonium in raga Malkauns  Demonstration of Tivra Taal in Thah and Dugun Layakaries by hand  Practice of Tivra Taal in Thah and Dugun Layakaries by hand
	Notation of Composition of Drut Khayal in Raga Shudh Sarang
<b>6</b>	Description of Rupak Taal with its notation in thah and Dugun Layakaries  Demonstration of Rupak Taal in Thah and Dugun Layakaries by hand  Practice of Rupak Taal in Thah and Dugun Layakaries by hand  Demonstration of Playing and singing of Five alankars on Harmonium in raga Shudh Sarang
	Detail Study of Bhajan Practice of Playing and singing of Five alankars on Harmonium in raga Shudh Sarang
<b>7</b>	Detail Study of Folk Song  Demonstration of Notations singing in Drut Khayal on Harmonium in raga Shudh Sarang  Practice of Notations singing in Drut Khayal on Harmonium in raga Shudh Sarang  Practice of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Shudh Sarang
<b>8</b>	Tanpura and its sahayak Naad
	Demonstration of Tilwara Taal in Thah and Dugun Layakaries by hand
	Practice of Tilwara Taal in Thah and Dugun Layakaries by hand
	Notation of Composition of Vilambit Khayal in Raga Shudh Sarang or Malkauns  Demonstration of Playing and singing of Five alankars on Harmonium in raga des
<b>9</b>	Practice of Playing and singing of Five alankars on Harmonium in raga Des

	<p>Demonstration of Notations singing in Drut Khayal on Harmonium in raga Des</p> <p>Practice of Notations singing in Drut Khayal on Harmonium in raga Des</p>
<b>10</b>	<p>Ramayan Kal mein Sangeet</p> <p>Practice of Notations singing in Drut Khayal on Harmonium with alap and tan in raga Des</p> <p>Mahabharat Kal Mein Sangeet</p>
<b>11</b>	<p>Contribution of Pt. D.V. Paluskar in the field of music</p> <p>Practice of Notations singing in Drut Khayal with alaps and tanas on Harmonium in raga Des</p> <p>Demonstration of Rupak taal in Thah and Dugun Layakaries by hand</p> <p>Practice of Rupak taal in Thah and Dugun Layakaries by hand</p>
<b>12</b>	<p>Contribution of Pt. Bhim Sen Joshi in the field of music</p> <p>Practice of Rupak taal in Thah and Dugun Layakaries by hand</p>
<b>13</b>	<p>Assignment, Test ad Revision of All Raga and Talas of Syllabus</p>

<b>Lesson Plan</b>	
<b>Name of Assistant/Associate Professor : Miss. Sadika</b>	
<b>Class and Section : B.A. 2nd Even Semester (Session 2021-22)</b>	
<b>Subject : Music Vocal (<u>Monday and Tuesday theory</u>) ; (<u>All six days Practical</u>)</b>	

<b>Week</b>	<b>Topics</b>
<b>1</b>	Note down syllabus to the students
	Description of Raga Yaman ;
	Demonstration of playing and singing of Five alankars on harmonium in Raga Yaman
	Practice of playing and singing of Five alankars on harmonium in Raga Yaman
<b>2</b>	Notation of Drut Khayal in Raga Yaman;
	Write short note on Verna;
	Write short note on Vaggyekar
	Practice of playing and singing of Five alankars on harmonium in Raga Yaman
	Demonstration of Notation singing in Drut Khayal on Harmonium in Raga Yaman
<b>3</b>	Practice of Notation singing in Drut Khayal on Harmonium in Raga Yaman
	Write short on Parmel Praveshak Raga ; Demonstration of Notation singing in Drut Khayal with alaps and tanas on harmonium in raga Yaman
<b>4</b>	Description of Ektaal with its notation in Thah and Dugun Layakaries; Practice of Notation singing in Drut Khayal with alaps and tanas on harmonium in raga Yaman
	Description of Harmonium

	<p>Test</p> <p>Demonstration of Ektaal in Thah and Dugun Layakaries By hand</p> <p>Practice of Ektaal on hand in Thah and Dugun Layakaries</p>
<b>5</b>	Methods of ancient and present Alap Gaan;
	Description of Dedra Taal with its notation in Thah and Dugun Layakaries;
	Demonstration of playing and singing of Five alankars on harmonium in Raga Bhairav
	Practice of playing and singing of Five alankars on harmonium in Raga Bhairav
<b>6</b>	Description of Raga Bhairav;
	Demonstration of Notation singing in Drut Khayal on harmonium in raga Bhairav
	Practice of Notation singing in Drut Khayal on Harmonium in Raga Bhairav
	Notation of the composition Drut Khayal with alaps and tanans in raga Bhairav;
<b>7</b>	Gayakon ke gun aur dosh;
	Demonstration of Notation singing in Drut Khayal with alaps and tanas on harmonium in raga Bhairav
	practice of Notation singing in Drut Khayal with alaps and tanas on harmonium in raga Bhairav
	<p>The role of music in National integration;</p> <p>Test</p>
<b>8</b>	Contribution of Pt. Omkar Nath in the field of Music;
	Practice of Notation singing in Drut Khayal with alaps and tanas on harmonium in raga Bhairav
	Demonstration of Dadra taal in Thah and Dugun Layakaries By hand
	Practice of Dadra taal on hand in Thah and Dugun Layakaries
	Contribution of Pt. Narayan Rao Vyas in the field of Music; Practice of Dadra taal on

9	hand in Thah and Dugun Layakaries
	Demonstration a sargam geet in Raga yaman
	Practice of Sargam geet in raga Yaman
10	Contribution of Ustad Abdul Karim Khan in the field of Music; Practice of Sargam geet in raga Yaman
11	Assignment; Practical: Practical Revision of all Ragas and Talas of Syllabus
12	Theoretical Revision of notation in raga yaman;  Practical Revision of all Ragas and Talas of Syllabus
13	Theoretical Revision of notation in Raga Bhairav;  Practical Revision of all Ragas and Talas of Syllabus

## **Lesson Plan 2021-22 Even Semester**

### **Zoology**

**Class : B.Sc. (Med.) 2nd Semester (Theory)**

**Subject lesson plan: From April 2022 to June 2022**

**Teachers: Mrs Mamta Khokhar, Dr. Radha Rathee , Mrs Anu Bhargava**

<b><u>Week &amp; Date</u></b>	<b><u>Topics</u></b>
<b><u>Week 1</u></b>	
April 01-08	Phylum - Annelida: General characters and classification, Biodiversity and economic importance , Type study – Pheretima, Metamerism, Trochophore larva: Affinities, evolutionary significance
<b><u>Week 2</u></b>	
April 09-15	Phylum – Arthropoda : General characters and classification , Biodiversity and economic importance , Type study – Periplaneta
<b><u>Week 3</u></b>	
April 16-22	Phylum - Mollusca: General characters and classification, Biodiversity and economic importance, Type study – Pila, Torsion and detorsion in gastropoda .
<b><u>Week 4</u></b>	
April 23-30	Phylum - Echinodermata: General characters and classification , Biodiversity and economic importance, Type Study -Asteries (Sea Star), Echinoderm larvae, Aristotle's Lantern
<b><u>Week 5</u></b>	
May 01-10	Phylum – Hemichordata: Type study: Balanoglossus Elements of Heredity and variations, The varieties of gene interactions , Linkage and recombination: Coupling and repulsion hypothesis, crossing-over and chiasma formation; gene mapping

<b>Week 6</b>	
May 11-20	Sex determination and its mechanism: male and female heterozygous systems, genetic balance system; role of Y -chromosome, male haploidy, cytoplasmic and environmental factors, role of hormones in sex determination.
<b>Week 7</b>	
May 21- 4 June	Sex linked inheritance: Haemophilia and colour blindness in man, eye colour in Drosophila, Nondisjunction of sex-chromosome in Drosophila; Sex-linked and sex influenced inheritance. Extra chromosomal and cytoplasmic inheritance: i) Kappa particles in Paramecium. ii) Shell coiling in snails. iii) Milk factor in mice
<b>Week 8</b>	
June 06-11	Multiple allelism: Eye colour in Drosophila; A, B, O blood group in man. Human genetics: Human karyotype, Chromosomal abnormalities involving autosomes and sex chromosomes, monozygotic and dizygotic twins. Inborn errors of metabolism .
<b>Week 9</b>	
June 13-18	Nature and function of genetic material; Structure and type of nucleic acids; Protein synthesis. spontaneous and induced (chemical and radiations) mutations; Gene mutations; chemical basis of mutations; transition, transversion, structural chromosomal aberrations ;numerical aberrations.
<b>Week 10</b>	
June 20-25	Applied genetics: Eugenics, eugenics and euphenics; genetic counseling, pre-natal diagnostics, DNA-finger printing, transgenic animals
<b>Week 11</b>	
June 27-30	<b>Revision</b>

## **Lesson Plan 2021-22 Even semester**

**Class : B.Sc. (Med.) 4th Semester (Theory)**

**Subject lesson plan: From April 2022 to June 2022**

**Teachers: Dr. Seema Jain (H.O.D), Mrs. Madhuri Kaushik, Mrs Babli Rathee**

	<b><u>Topics</u></b>
<b>Week 1</b>	
April 01-08	Amphibia: Origin, Evolutionary tree. Type study of frog (Rana tigrina), Parental Care in Amphibia
<b>Week 2</b>	
April 09-15	Reptilia: Type study of Lizard (Hemidactylus), Origin, Evolutionary tree. Extinct reptiles; Poisonous and non-poisonous snakes; Poison apparatus in snakes
<b>Week 3</b>	
April 16-22	Aves: Type study of Pigeon (Columba livia); Flight adaptation, Principles of aerodynamics in Bird flight, migration in birds.
<b>Week 4</b>	
April 23-30	Mammals: Classification, type study of Rat; Adaptive radiations of mammals and dentition.
<b>Week 5</b>	
May 01-10	Circulation: Origin, conduction and regulation of heart beat, cardiac cycle, electrocardiogram, cardiac output, fluid pressure and flow pressure in closed and open circulatory system; Composition and functions of blood & lymph; Mechanism of coagulation of blood, coagulation factors; anticoagulants, haemopoiesis
<b>Week 6</b>	
May 11-20	Respiration: Exchange of respiratory gases, transport of gases, lung air volumes, oxygen dissociation curve of hemoglobin, Bohr's effect, Hamburger's phenomenon (Chloride shift), control / regulation of respiration.
<b>Week 7</b>	
May 21- 4 June	Excretion: Patterns of excretory products viz. Amonotelic, ureotelic uricotelic, ornithine cycle

	(Kreb's– Henseleit cycle) for urea formation in liver. Excretion: Urine formation, counter-current mechanism of urine concentration, osmoregulation, micturition
<b>Week 8</b>	
June 06-11	Neural Integration: Nature, origin and propagation of nerve impulse along with medullated & non-medullated nerve fibre, conduction of nerve impulse across synapse.
<b>Week 9</b>	
June 13-18	Chemical integration of Endocrinology: Structure and mechanism of hormone action Physiology of hypothalamus, pituitary, thyroid, parathyroid, adrenal, pancreas and gonads. Reproduction: Spermatogenesis.
<b>Week 10</b>	
June 20-25	Capacitation of spermatozoa, ovulation, formation of corpus luteum, Oestrous-anoestrous cycle, Menstrual cycle in human; fertilization, implantation and gestation.
<b>Week 11</b>	
June 27-30	<b>Revision</b>

## **Lesson Plan 2021-22 Even semester**

**Class : B.Sc. (Med.) 6th Semester (Theory)**

**Subject lesson plan: From April 2022 to June 2022**

**Teachers: Dr. Santosh Hooda, Mrs. Manju Chhikara**

<u><b>Week &amp; Date</b></u>	<u><b>Topics</b></u>
<b>Week 1</b>	
April 01-08	Study of insect pests of crops and vegetables.
<b>Week 2</b>	
April 09-15	Pest of Sugarcane, Pest of Cotton, Pest of Wheat
<b>Week 3</b>	
April 16-22	Pest of Paddy, Pest of Vegetables, Pest of Stored grains
<b>Week 4</b>	
April 23-30	Insect control: Biological control, its history, requirement and precautions and feasibility of biological agents for control.
<b>Week 5</b>	
May 01-10	Chemical control: History, Categories of pesticides. Important pesticides from each category to pests against which they can be used. Insect repellants and attractants.
<b>Week 6</b>	
May 11-20	Integrated pest management, Important bird and rodent pests of agriculture & their management.
<b>Week 7</b>	
May 21- 4 June	Historical perspectives, aims and scope of developmental biology. Generalized structure of mammalian ovum & sperm. Spermatogenesis and Oogenesis
<b>Week 8</b>	

June 06-11	Fertilization, parthenogenesis, different types of eggs and patterns of cleavage in invertebrates and vertebrates. Process of blastulation in invertebrates and vertebrates, Fate-map construction in frog and chick.
<b>Week 9</b>	
June 13-18	Gastrulation in invertebrates and vertebrates. Gastrulation & formation of three germinal layers in frog and chick.. Elementary knowledge of primary organizers
<b>Week 10</b>	
June 20-25	Extra embryonic membranes: structure & significance in birds and mammals. Concepts of competence, determination and differentiation. Concept of regeneration
<b>Week 11</b>	
June 27-30	<b>Revision</b>

## **LESSION PLAN 2021-2022 SESSION**

### **Sociology**

Name of Extension Lecturer: POOJA

Class : BA 6th Semester

Subject : Sociology

Paper : Rural Society : Structure and Change

Week No.	DATE	SYLLABUS TOPIC
1	1 April to 2 April	Meaning, definition, origin and development of rural Sociology
2	4 April to 9 April	Nature and subject matter of rural of sociology
3	11 April to 16 April	Scope and characteristics of rural sociology
4	18 April to 23 April	Emergence, development and importance of study of rural sociology in India
5	25 April to 30 April	Introduction to Rural Social Structure, Caste System : Characteristics, Merits, Demerits
6	2 May to 7 May	Class System : meaning definition and characteristics of social class, Class Structure
7	9 May to 14 May	Rural Social Structure : Inter caste relations and jagmani system
8	16 May to 21 May	Rural Social Structure : Rural family and its changing pattern
9	23 May to 28 May	Rural Economic : land tenure and land reform
10	30 May to 4 June	Rural Economy : Green Revolution and its impact
11	6 June to 11 June	Rural Economy : Bonded and Migrant labourers, Trends of change in rural society
12	13 June to 18 June	Rural Political Structure : Traditional caste Panchayat Panchayat before and after 73rd amendment



13	20 June to 25 June	Rural Political Structure : New Panchayati Raj and Empowerment of Women
14	27 June to 30 June	Revision

### LESSON PLAN

Acadmic Session 2021-22	Subject :- Sociology
Class BAI Year 2nd Sem	Paper :- Society Culture and Social Change
Teacher Name :- Naveen Kumari	

Sr. No	Week	Topic Covered
1	March 21-28	Tribal Society
2	March 29-3April	Rural Society
3	April 4-9	Urban Society
4	April 10-16	Industrial and Post Industrial Society
5	April 17-22	Culture Definition nature and types
6	April 23-28	Socialisation process stages and importance
7	April 29-5May	Social Control meaning types and means

8	May 6-11	Process of Social Change Industrialization
9	May 12-18	Secularisation
10	May 19-24	Modernisation
11	May 25-31	Globalisation
12	June 1-6	Social Stratification concept and Basis of Caste
13	June 7-13	Concepts and Basic of Class
14	June 14-20	Concept and Basic of Power
15	June 21-27	Concepts and Basic of Gender
16	Jun-28	Revision of Syllabus

## **Lesson Plan(Session 2021-2022)**

**Class – BA-6<sup>th</sup> Sem**

**Faculty – Mr. Vijay Dahiya**

**Subject –Social Problems in India**

**Lesson Plan Duration –From 1 April 2022 to 30<sup>th</sup> June- 2022**

<b>Time Period</b>	<b>Topics</b>
<b>Week 1</b>	Social Problems: Concepts and importance
<b>Week 2</b>	Clear the Concept of Deviance and Social Disorganization
<b>Week 3</b>	Structural Issues : Inequality of Caste Class and Gender
<b>Week 4</b>	Minorities in India and Their Problems
<b>Week 5</b>	Female Foeticide

<b>Week 6</b>	Clear the concept of Dowry system
<b>Week 7</b>	Understanding Domestic Violence
<b>Week 8</b>	Problems of Aged
<b>Week 9</b>	Concepts of Divorce
<b>Week 10</b>	Crime understanding
<b>Week 11</b>	Reasons of Juvenile delinquency
<b>Week 12</b>	Concepts of corruption and Drug Addiction
<b>Week 13</b>	Concepts of suicide
<b>Week 14</b>	Concepts of Prostitution and aids

## Lesson Plan Commerce Department

### Lesson Plan

**Name of College: Govt. PG College for Women, Rohtak**

**Academic Session: 2021-22 Semester: Even**

**Subject: Organisational Behaviour**

**Name : Dr Pushpdeep Dagar**

**Class: M.Com Sem: 2nd**

**Week of Month      Topics/Chapters to be covered**

**Topics of Assignment/ Tests**

Week 1      Organisational Behavior: concept and significance; Relationship to other fields ;OB Model, ethics and ethical behaviour in organizations.

Week 2      Learning: meaning and definition, process

Week 3      Learning: theories of learning, OB in learning organization.

Week 4      Attitude: meaning and definition, components, functions, formation, changing of attitude, prejudice and  
attitude      Class Test

Week 5      Personality: meaning and definition, the big five personality model, the Myers-Briggs Type Indicator,  
additional work related aspects of personality

Week 6      Perception: meaning and definition, process, factors influencing perception, perceptual errors or distortions.

Week 7      Group Dynamics and Team Development: Group dynamics- definition and importance, types of groups, group  
formation

Week 8 loading	Group development, group performance factors, group norms, group status, group size, cohesiveness, social	
Week 9	Team: types, team composition factors, team development.	Class Test
Week 11	Organisational Conflict: Dynamics and management; sources, patterns, levels;	
Week 12	Types of Conflicts, traditional and modern approaches of conflicts	
Week 14	Organisational development: Concept; Need for change, resistance to change; Theories of planned changes	
Week 14	Organisational nemesis, OD intervention	
Week 15	Revision	

**Name of College: Govt. College for Women, Rohtak**

**Academic Session: 2021-22 Semester: Even**

**Subject: Taxation Law-II, Income Tax Law & Administration Name of Lecturers: Ms. Jyoti Rani & Mr. Deepak Kumar**

**Class: B.Com. 6th Sem. Hons & Pass course Sec. (A,B,C&D)**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
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Topics of Assignment/ Tests given/ to be given to the students

Week 1	Introduction to Rebate & Relief of Tax & its numericals	
Week 2	Computation of Total Income & its numericals	
Week 3	Leftover Part of numericals of Computation of Total Income & problem solving session and Computation of Tax Liability of Individuals and its numericals	Test of Computation of Tax Liability
Week 4	Practice of numericals of Computation of Total Income & Computation of Tax Liability	
Week 5	Problem Solving Session & Introduction to Filling & Filing of Return (ITR-I) & Filling & Filing of Return (ITR-II)	
Week 6	Introduction of HUF (Schools of HUF) & Assessment of HUF	
Week 7	Meaning of Partnership Firm & Computation of Income of Partnership Firm and its numericals	
Week 8 liability	Continuation of practice of its numericals and Computation of income of AOP, BOI & and its tax	
Week 9	Income Tax Authorities and Their Powers, Assessment Procedure & Filling of Income Tax Return	
Week 10	Introduction to Permanent Account Number, Types of Assessment Authorities and Their Powers	Oral Test of Income Tax
Week 11 Assessment	Meaning of Deduction of Tax at Source and Its Rules	Written Test of Type of
Week 12	Computation of Advance Payment of Tax and its numericals	
Week 13	Recovery and Refund of Tax, Appeals & Revision	

Week 14 Penalties, Offences & Prosecution

Week 15 Revision of whole syllabus  
Prosecution

Viva of Penalties, Offences &

## Lesson Plan

**Name of Assistant/Associate Professor : Sakshi Bansal**

**Class and Section : B.B.A. Final Year 6th Semester**

**Subject : Income Tax (BBAN 601)**

<b>Week</b>	<b>Topics</b>
<b>Week 1</b>	Introduction to taxation laws Terms regarding income tax Agriculture Income Practical Questions Problems Residential Status of the assessee <b>Sunday</b>
<b>Week 2</b>	Ordinary and Not Ordinary Resident status of the assessee Non-Residential Status of the assessee Practical Questions Practical Questions Problems Exempted Income from tax <b>Sunday</b>
<b>Week 3</b>	Remaining Exempted Income from tax Remaining Exempted Income from tax Basic concepts regarding Salary Head - An Introduction Introduction to Allowances Treatment of different taxable Allowances while calculating total income Continue <b>Sunday</b>
<b>Week 4</b>	Continue Continue Continue Non taxable allowances Continue Calculation of various Perquisites <b>Sunday</b>
<b>Week 5</b>	Continue Continue Continue Problems Test of complete Unit 1 Test of Salary Head Part 1 <b>Sunday</b>
<b>Week 6</b>	Introduction to Provident fund income its practical treatment Introduction to Earned Leave income and its practical treatment Introduction to Death cum Gratuity income and its practical treatment Introduction to Voluntary Retirement income and its practical treatment Introduction to Retrenchment Fund and its practical treatment Continue <b>Sunday</b>
<b>Week 7</b>	Problems Continue

	Test of Salary Head Part 2
	Intoduction to Income from House Property
	Valuation of Standard Rent
	Practice
	<b>Sunday</b>
<b>Week 8</b>	Computation of Loan during Construction of House
	Practice
	Computation of sub let house
	Practice
	Introduction to Profit and Gains of Business and Profession
	Taxable income under the business head
	<b>Sunday</b>
<b>Week 9</b>	Continue
	Practical Questions
	Continue
	Continue
	Continue
	Continue
	Continue
<b>Week 10</b>	Non taxable income or Partially taxable income under business head
	Continue
	Practical Questions
	Taxable income under the Profession head
	Non Taxable income under the Profession head
	Problems
	<b>Sunday</b>
<b>Week 11</b>	Test of Business and Profession head
	Introduction to Capital Gain
	Basic concepts regarding Capital Gain Head
	Various Short term capital gains
	Practical Questions regarding Short term capital gains
	Continue
	<b>Sunday</b>
<b>Week 12</b>	Various Long term capital gains
	Practical Questions regarding Long term capital gains
	Continue
	Continue
	Problems
	Test of Capital Gains
	<b>Sunday</b>
<b>Week 13</b>	Income from other Sources- An Introduction
	Concepts regarding income from various sources
	Continue
	Practical Questions
	Problems
	Concepts regarding Set off and Carry forward of Losses
	<b>Sunday</b>
<b>Week 14</b>	Practical Questions
	Problems
	Continue
	Introduction to Clubbing of Income
	Practical Questions
	Concept behind Tax Deducted at Source
	<b>Sunday</b>
<b>Week 15</b>	Practical Questions
	Introduction to the Deductions

Treatment of deduction 80C, 80CCC, 80 D, 80DD, 80 E  
 Treatment of deduction 80G, 80I, 80 IA, 80IB, 80 U  
 Assessment of Individuals  
 Practical Questions  
**Sunday**

## Lesson Plan

**Name of Assistant/Associate Professor : Sakshi Bansal**

**Class and Section : B.B.A. Final Year 6th Semester**

**Subject : Comprehensive Viva-Voce (BBAN 607)**

<b>Week</b>	<b>Topics</b>
<b>Week 1</b>	Introduction to Human Rights - Basic Concept, Features, Discussion about the International Perspective of Human Rights Discussion about the Indian Perspective of Human Rights Evolution of Human Rights History of Human Rights Movements in India Continue <b>Sunday</b>
<b>Week 2</b>	Business environment Various classifications of business environment Components of Business environment Introduction to International Business Continue World Bank <b>Sunday</b>
<b>Week 3</b>	World Trade Organisation International Monetary Fund Its overview Company Accounts- An Introduction Continue Share Capital - Transaction, Alteration <b>Sunday</b>
<b>Week 4</b>	Continue Buy Back of Shares Continue Goodwill Continue Insurance <b>Sunday</b>
<b>Week 5</b>	Business Communication- Introduction 7 c's, Process of communication Continue Barriers of communication Voice Modulation Business Report- Types of reports <b>Sunday</b>
<b>Week 6</b>	Continue Framework Capital Market- Instruments Continue Innovations in Financial Market Continue <b>Sunday</b>
<b>Week 7</b>	SEBI, IFCI, OTCEI, BCCI, IDBI, SIDBI Financial Management- Investment decisions: ARR, IRR Continue

	NPV, Pay back period method
	Continue
	Levarage
	<b>Sunday</b>
<b>Week 8</b>	Capital Bugeting
	Business Management- Introduction
	Principles of Management
	Continue
	Approaches
	Functions of Management
	<b>Sunday</b>
<b>Week 9</b>	Continue
	Leadership and its theories
	Continue
	Motivation and stress management
	Continue
	Company Law- Introduction
	Continue
<b>Week 10</b>	Kinds of Companies
	Incorporation and certificate of commencement
	Meetings of directors
	Continue
	Renumeration of directors and Qualifications
	Continue
	<b>Sunday</b>
<b>Week 11</b>	Winding up of Companies
	Continue
	Test of Syllabus till done
	Concept of Organisation Behavior
	Continue
	Individual Behavior, Group Behavior
	<b>Sunday</b>
<b>Week 12</b>	Marketing Management
	Meaning , Definitions, 5 P's of Marketing
	Continue
	Marketing mix
	Environment suitability
	PLC
	<b>Sunday</b>
<b>Week 13</b>	Human Resource Management
	HRM, HR Planning
	HR outsourcing - BPO, KPO
	Business Research Methods
	Intoduction to various methods of doing research
	Research Process
	<b>Sunday</b>
<b>Week 14</b>	Continue
	Business Statistics
	Correlation
	Regression
	Time Series
	Continue
	<b>Sunday</b>
<b>Week 15</b>	Cost and Management Accounting
	Meaning of Cost, types of cost,
	Marginal Costing



Continue  
Management Cost Accounting  
Continue  
**Sunday**

## **Lesson Plan**

**Name of Assistant/Associate Professor : Sakshi Bansal**

**Class and Section : B.B.A. Final Year 6th Semester**

**Subject : Project Report (BBAN 606)**

<b>Week</b>	<b>Topics</b>
<b>Week 1</b>	Introduction to Report- Project Report Concept, Meaning, Definition Objectives of preparing report Requirements while writing a report Classification of various types of report Essential elements of report writing <b>Sunday</b>
<b>Week 2</b>	How to make a Effective project report Generation and Screening of of Project ideas Screening- Preliminary Screening Continue Secondary Screening Continue <b>Sunday</b>
<b>Week 3</b>	Collection of Primary Information Continue Collection of Secondary Information Continue Research Designs Descriptive design, Exploratory design <b>Sunday</b>
<b>Week 4</b>	Diagnostic or Experimental design Continue Hypothesis Development Null and alternate Hypothesis Continue Types of errors <b>Sunday</b>
<b>Week 5</b>	Type 1 error Type 2 error Continue How to take a hypothesis Revision Test of syllabus till done <b>Sunday</b>
<b>Week 6</b>	How to construct a questionnaire Basic Design of a good questionnaire Principles of Good questionnaire Design Continue Continue Continue <b>Sunday</b>
<b>Week 7</b>	How to collect and analyse data Preparation of charts- Pie, Bar, Line, etc. Continue Percentage method of data analysis Continue

	Other methods of analysis of data
<b>Week 8</b>	<b>Sunday</b> Continue How to Interpret the data Continue Continue How to conclude the research findings Continue
<b>Week 9</b>	<b>Sunday</b> Continue Ground for recommendations and suggestions Continue Continue How to site references Continue
<b>Week 10</b>	<b>Sunday</b> Layout of Project report Continue Continue Special discussion on various specializations of Project report Human Resource Management HR Planning
<b>Week 11</b>	<b>Sunday</b> Recruitment and selection HR Performance appraisal HR Training and development Finance specialisation Comparative analysis of profits Comparative analysis of results
<b>Week 12</b>	<b>Sunday</b> Comparative analysis of two or more similar schemes Comparative analysis of two or more products International Business Multinational organisations Impatriates Expatriates
<b>Week 13</b>	<b>Sunday</b> IMF, World Banks, etc. Marketing Management Specialisation Product ideas Comparison of services Comparison of various forms of marketing Comparison of various products
<b>Week 14</b>	<b>Sunday</b> Preparation of final report Preparation of final report Preparation of final report Preparation of final report Preparation of final report Preparation of final report
<b>Week 15</b>	<b>Sunday</b> Continue Continue Continue Submission of Final Report Continue

Continue

**Sunday**

## **Lesson Plan**

**Name of Assistant/Associate Professor : Sakshi Bansal**

**Class and Section : B.B.A. Final Year 6th Semester**

**Subject : E commerce (LAB) Group A and Group B (BBAN 605)**

<b>Week</b>	<b>Topics</b>
<b>Week 1</b>	Introduction to E- commerce Group A E- Payment : Methods of doing payment Group A Practice Group A Introduction to E- commerce Group B E- Payment : Methods of doing payment Group B Practice Group B <b>Sunday</b>
<b>Week 2</b>	How to use a Debit Card Group A Practice Group A How to use a Credit Card Group A How to use a Debit Card Group B Practice Group B How to use a Credit Card Group B <b>Sunday</b>
<b>Week 3</b>	Practice Group A Use of Paytm and other electronic means of payment Group A Practice Group A Practice Group B Use of Paytm and other electronic means of payment Group B Practice Group B <b>Sunday</b>
<b>Week 4</b>	Practice Group A Online Retailing Practice Group A Practice Group B Online Retailing Practice Group B <b>Sunday</b>
<b>Week 5</b>	How to buy products and services online Practice Group A Practice Group A How to buy products and services online Practice Group B Practice Group B <b>Sunday</b>
<b>Week 6</b>	How to sell products and services online Practice Group A Practice Group A How to sell products and services online Practice Group B Practice Group B <b>Sunday</b>
<b>Week 7</b>	Virtual Organisations and their working style Practice Group A Practice Group A Virtual Organisations and their working style Practice Group B Practice Group B <b>Sunday</b>

<b>Week 8</b>	Digital Signature Practice Group A How to create digital signatures Digital Signature Practice Group B How to create digital signatures <b>Sunday</b>
<b>Week 9</b>	Practice Group A How to use digital signatures Practice Group A Practice Group B How to use digital signatures Practice Group B <b>Sunday</b>
<b>Week 10</b>	Network security system of transactions Practice Group A Practice Group A Network security system of transactions Practice Group B Practice Group B <b>Sunday</b>
<b>Week 11</b>	How to secure e-commerce transactions Practice Group A Practice Group A How to secure e-commerce transactions Practice Group B Practice Group B <b>Sunday</b>
<b>Week 12</b>	How to create Passwords, biometrics and other securities in transactions Practice Group A Practice Group A How to create Passwords, biometrics and other securities in transactions Practice Group B Practice Group B <b>Sunday</b>
<b>Week 13</b>	Essential requirements of IT Infrastructures to conduct online business Practice Group A Practice Group A Essential requirements of IT Infrastructures to conduct online business Practice Group B Practice Group B <b>Sunday</b>
<b>Week 14</b>	Knowledge regarding use of Mobile Banking Practice Group A Practice Group A Knowledge regarding use of Mobile Banking Practice Group B Practice Group B <b>Sunday</b>
<b>Week 15</b>	How to make safe transactions with the help of mobiles Practice Group A Practice Group A How to make safe transactions with the help of mobiles Practice Group B Practice Group B <b>Sunday</b>

**Name of College: Govt. College for Women, Rohtak**

**Academic Session: 2021 - 2022 Semester: EVEN**

**Subject: Business regulatory framework Name of Extension Lecturer: Deepak Kumar Chachda**

**Class: B.Com.Pass Course 4th Sem ,Sec A & C**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>	<b>Topics of Assignment/ Tests given/ to be given to the students</b>
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Week 1	Sales of Goods Act	
Week 2	Sales of Goods Act	
Week 3	REVISION, PROBLEM	
Week 4	RTI Act : features, rights and importance	
Week 5	RTI Act : features, rights and importance	
Week 6	RTI Act : features, rights and importance	
Week 7	REVISION, PROBLEMS,	TEST
Week 8	Indian Partnership Act	
Week 9	Indian Partnership Act	
Week 10	Indian Partnership Act	
Week 11	REVISION, PROBLEM	
Week 12	Negotiable Instruments Act	
Week 13	Negotiable Instruments Act	
Week 14	Negotiable Instruments Act	
Week 15	REVISION, PROBLEM	

**Name of College: Govt. College for Women, Rohtak**

**Academic Session: 2021 - 2022 Semester: EVEN**

**Subject: Corporate Accounting Name of Extension Lecturer: Deepak Kumar Chachda**

**Class: B.Com.Hon's 4th Sem**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>	<b>Topics of Assignment/ Tests given/ to be given to the students</b>
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Week 1	Underwriting of Shares and Debenture	
Week 2	Underwriting of Shares and Debenture	Revision &
Week 3	Amalgamation and Internal Reconstruction	
Week 4	Amalgamation and Internal Reconstruction	

Week 5 Problem	Amalgamation and Internal Reconstruction	Revesion&
Week 6	Liquidation of Companies	
Week 7 Problem	Liquidation of Companies	Revesion&
Week 8	Double Account System	
Week 9 Problem	Double Account System	Revesion&
Week 10	Account of Banking Companies	
Week 11	Account of Banking Companies	
Week 12 Problem	Account of Banking Companies	Revesion&
Week 13	Account of Electricity Companies	
Week 14	Account of Electricity Companies	
Week 15 Problem	Account of Electricity Companies	Revesion&

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-2022 Semester: EVEN

Subject: Business Statistics-II Name of Extension Lecturer: Preeti Panchal & Bhumika Gupta

Class: B.Com. 4th Sem. Pass course Sec. A,B,C&D

Week of Month                      Topics/Chapters to be covered

Assignment/ Tests given/ to be given to the students

Topics of

Week 1	Index Number
Week 2	Index Number
Week 3	Index Number
Week 4	Index Number & revision of unit -I
Week 5	Analysis of Time Series
Week 6	Analysis of Time Series
Week 7	Analysis of Time Series
Week 8	Analysis of Time Series & revision of unit -II
Week 9	Theory of Probability
Week 10	Theory of Probability
Week 11	Theory of Probability

Week 12	Theory of Probability & revision of unit -III
Week 13	Probability Distribution
Week 14	Probability Distribution
Week 15	Probability Distribution & revision of unit -IV

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-2022 Semester: EVEN

Subject: -Secretarial Practices Name of Extension Lecturer: Preeti Panchal, Mukta Soni, Preeti Panchal, Bhumika, Payal

Class: B.Com. 4th Sem. Pass course Sec. A,B,C&D

Week of Month Topics/Chapters to be covered

Topics of

Assignment/ Tests given/ to be given to the students

Week 1	Introduction of company secretary
Week 2	Introduction of company secretary
Week 3	Revision of unit I
Week 4	Duties of Secretary regarding formation of M/A and A/A and their alterations
Week 5	Duties of secretary regarding issue of share certificate
Week 6	share warrant and share stock, calls-in-arrear
Week 7	forfeiture and re-issue of shares, transfer and transmission of shares & revision of unit-II
Week 8	Company Meeting & Secretary
Week 9	Company Meeting & Secretary
Week 10	Company Meeting & Secretary
Week 11	Company Meeting & Secretary & revision of unit-III
Week 12	Company Secretary and motion and Resolution,
Week 13	Company Secretary and motion and Resolution,
Week 14	voting and proxy
Week 15	voting and proxy & revision of unit-IV

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-2022 Semester: EVEN

Subject: GST Name of Extension Lecturer: Preeti Panchal, Mukta Soni

Class: B.Com. 6th Sem. Pass course Sec. A,C&D

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Introduction:- Salient Feature of GST, Benefit of GST, Exemption from GST, Composition levy,
Week 2	Constitutional Framework of GST, Concept of GST,

Week 3 and mixed supply,	Important definitions, Supply under GST:- Meaning and scope of supply including composite
Week 4	Levy and collection including reserve charge mechanism, Tax and electronic commerce operation (ECO) & Revision of unit -I
Week 5	Place of Supply:- Within state/Union territory, Interstate, Import and export; Time of Supply of goods and services; Value of supply including valuation rules
Week 6	Input tax credit:- Eligibility and conditions for taking Input Tax Credit, Apportionment of credit and blocked credit, ITC in case of banking company and financial institutions,
Week 7	ITC availability in special circumstances, Reversal of ITC on switching to composition levy or exit from tax-paying status,
Week 8	Transfer of ITC on account of change in constitution of registered person, Input service distributors & revision of unit-II
Week 9	Registration; Issue of invoices:- tax invoice, revised tax invoice, credit note, debit note
Week 10	bill of supply, receipt voucher, refund voucher, payment voucher, invoices in special cases. ; E-way bill;
Week 11	Payment of Taxes; Returns; Job work;
Week 12	Provision of TDS and TCS; Record keeping, Assessment and Audit & revision of unit-III
Week 13	Customs duty: Important definitions, types, importance,
Week 14	documents required for import and export procedure
Week 15	Export Promotion Scheme.

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-2022 Semester: EVEN

Subject: Financial Institutions & Markets Name of Extension Lecturer: Preeti Panchal

Class: B.Com(H). 4th Sem.

Week of Month                      Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1                              Financial Institutions an Overview: Meaning; Special characteristics; Broad categories; Money Market Institutions; Capital Market Institutions; Indian Financial Institutions-

Week 2                              Market Institutions; Capital Market Institutions; Indian Financial Institutions- A profile. Export-Import (EXIM) Bank of India: History, Functions, Business profile, Project & Services, Exports, Fund-based Facilities, FREPEC, Operating procedure, Export Capability Creation Programmes.

Week 3                              NABARD- History, Functions & Working ACD, ARC and ARDC, The NABARD, Refinancing Assistance, Major Activities, Rural Infrastructure Development fund (RIDF), Rural Non-Farm Sector, District Rural Industries Project (DRIP)

Week 4                              Credit, its definition, types, merits and demerits, credit and economic development. Functions of commercial Banks & Central Banks, process of credit creation and its limitations Control of money supply, Reserve Bank of India: its functions- Traditional and Development & revision of unit-I

Week 5                              Unit-II Money Market: Definition, Money Market Vs Capital Market, Features, Objectives, Features of a Developed Money Market, Importance of Money Market,



Week 6	Composition of Money Market, Call Money Market, Operations in Call Market, Transactions and Participants, Advantages, Drawbacks, Commercial Bills Market-Definition, Types of Bills, Operations in Bill Market,
Week 7	Discount Market, Acceptance Market, Importance of Bill Market, Drawbacks, Bill Market Scheme, Treasury Bill Market, Types of Treasury Bills
Week 8	Operations and Participants- Importance, Defects, Money Market Instruments, Commercial Paper, Certificate of Deposit, Inter Bank Participation Certificate, Repo Instrument & revision of unit-II
Week 9	Capital Market: Meaning, Characteristics, Functions- Indian Capital Market-Evolution and Growth,
Week 10	Primary and Secondary Market, New Financial Instruments in Indian Capital Market, Indian Capital Market- Major Issues, Rebound in Indian Capital market.
Week 11	Merchant Banking: Definition, Origin, Services, Progress in India, Problems, Scope ,
Week 12	Qualities required for Merchant Banker, Merchant Banker as lead managers, guidelines& revision of unit-III
Week 13	Venture Capital: Meaning, Concept, Origin, Features, Importance, Activities, Scope, Initiative in India, Guidelines, Methods
Week 14	Hire Purchase and Leasing: Meaning, Origin, Types, Legal Position
Week 15	Hire Purchase and Leasing, Problems and Prospects of Leasing Industry in India & revision of unit-IV

BCom Honrs 2nd Sem

PAPER	BUSINESS MANAGEMENT
NO OF WEEKS	TOPIS
1	Development of Management Thought:VARIOUS
2	Contemporary Approach to Management
3	Process of Managing: Planning: Corporate Strategy
4	Environmental analysis and Diagnosis,Decision-making – Concept, Process
5	Organising : nature and principles
6	Organisational Formats or Departmentation
7	Staffing
8	Directing
9	Motivation
10	Communication
11	Controlling
12	control techniques
13	Revision
14	Revision
15	Revision

From  
Dr Pushp Deep Dagar  
commerce  
GPGCW Rohtak

PAPER	SECTION B AND C
NO OF WEEKS	BUSINESS MANAGEMENT
1	TOPIS
	STAFFING

2	RECURITMENT
3	SELECTION
4	TRAINING
5	MOTIVATION
6	LEADERSHIP
7	COMMUNICATION
8	Controlling
9	control techniques
10	MANAGEMENT OF CHANGE
11	revision
12	revision
13	revision
14	revision
15	revision

From

Dr Pushp Deep Dagar

commerce

GPGCW Rohtak

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Business regulatory framework Name of Extension Lecturer: Arti

Class: B.Com. 4th Sem ,Sec D

Week of Month                      Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Indian Partnership Act
Week 2	Indian Partnership Act
Week 3	Indian Partnership Act
Week 4	REVISION, PROBLEM
Week 5	Negotiable Instruments Act
Week 6	Negotiable Instruments Act
Week 7	Negotiable Instruments Act
Week 8	REVISION, PROBLEMS, TEST
Week 9	Sales of Goods Act
Week 10	Sales of Goods Act
Week 11	REVISION, PROBLEM
Week 12	RTI Act : features, rights and importance
Week 13	RTI Act : features, rights and importance
Week 14	RTI Act : features, rights and importance
Week 15	REVISION, PROBLEM

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Financial Accounting –II Name of Extension Lecturer: Arti

Class: B.Com. 2nd Sem ,Sec B

Week of Month                      Topics/Chapters to be covered      Topics of Assignment/ Tests given/ to be given to the students

Week 1	Hire Purchase System
Week 2	Continue
Week 3	Installment Payment Systems
Week 4	Revision
Week 5	Branch Accounts
Week 6	Branch Accounts
Week 7	DepartmentalAccounts
Week 8	Continue and Revision TEST
Week 9	Amalgamation and saleof partnership firms,
Week 10	Dissolution of Partnership Firm-Insolvency of Partners
Week 11	Continue and Revision
Week 12	Joint-VentureAccount
Week 13	Royalty Account.
Week 14	Gradual Realisationand Piecemeal Distribution
Week 15	Continue and Revision

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Business Law-II      Name of Extension Lecturer: Arti

Class: B.Com. 2nd Sem (H)

Week of Month                      Topics/Chapters to be covered      Topics of Assignment/ Tests given/ to be given to the students

Week 1	Indian Partnership Act 1932
Week 2	Indian Partnership Act 1932
Week 3	Indian Partnership Act 1932
Week 4	Indian Partnership Act 1932
Week 5	REVISION, PROBLEM
Week 6	The Foreign Exchange Management Act TEST
Week 7	The Foreign Exchange Management Act
Week 8	The Foreign Exchange Management Act
Week 9	REVISION, PROBLEM

Week 10	Industrial Dispute Act, 1947
Week 11	Industrial Dispute Act, 1947
Week 12	Industrial Dispute Act, 1947
Week 13	REVISION, PROBLEM
Week 14	The Factories Act-1948
Week 15	The Factories Act-1948

Class: B.Com. 6th Sem (H)

Week of Month      Topics/Chapters to be covered      Topics of Assignment/ Tests given/ to be given to the students

Week 1	Business Environmen overview
Week 2	Business Environmen overview
Week 3	Business Environmen overview
Week 4	Problems of Growth
Week 5	Problems of Growth
Week 6	Problems of Growth
Week 7	Continue and Revision
Week 8	International Business; Major risks and challenges TEST
Week 9	International Business; Major risks and challenges
Week 10	International Business; Major risks and challenges
Week 11	Balance of payment
Week 12	Theories of International Trade
Week 13	Theories of International Trade
Week 14	Theories of International Trade
Week 15	Continue and Revision

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Secretarial Practices Name of Extension Lecturer: Arti, PreetiMalik,Anju

Class: B.Com. 4th Sem ,Sec C(5-6)

Week of Month      Topics/Chapters to be covered      Topics of Assignment/ Tests given/ to be given to the students

Week 1	Secretary
Week 2	Secretary

Week 3	Secretary
Week 4	REVISION, PROBLEM
Week 5	Promotion of Company and Secretary
Week 6	Promotion of Company and Secretary
Week 7	Promotion of Company and Secretary
Week 8	REVISION, PROBLEM
Week 9	Company Meeting & Secret
Week 10	Company Meeting & Secret
Week 11	Company Meeting & Secret
Week 12	Company Secretary and motion and Resolution, voting and proxy(5-6)
Week 13	Company Secretary and motion and Resolution, voting and proxy(5-6)
Week 14	Company Secretary and motion and Resolution, voting and proxy(5-6)
Week 15	REVISION, PROBLEM

### Lesson Plan

Govt. PG College for Women, Rohtak

Academic Session: 2021-2022 Semester: EVEN

Teacher Name: Anju Subject: Corporate Accounting -II

Class: B.Com. 4th Sem. Sec. A,B,C&D

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Amalgamation of companies in the nature of merger
Week 2	Amalgamation of companies in the nature of purchase Problems solution session and viva
Week 3	Internal Reconstruction Problems solution session and viva
Week 4	Accounts of Holding Companies Problems solution session and viva
Week 5	Accounts of Holding Companies Problems solution session and viva
Week 6	Accounts of Holding Companies Problems solution session and viva
Week 7	Liquidation of a company Problems solution session and viva
Week 8	Liquidation of a company Problems solution session and viva
Week 9	Final Accounts of Banking Companies Problems solution session and viva
Week 10	Final Reporting for financial institutions Problems solution session and viva
Week 11	Revision Unit 1 Test from whole unit 1

Week 12	Revision Unit 2 Test from whole unit 2
Week 13	Revision Unit 3 Test from whole unit 3
Week 14	Revision Unit 4 Test from whole unit 4
Week 15	Presentations/Viva/ Tset covering whole syllabus

**Name of College: Govt. P.G. College for Women, Rohtak**

**Academic Session: 2021-2022 Semester: Even**

**Subject: Business Research Methods (BBAN-404) Name of Extension Lecturer: Dr. Mukesh**

**Class: BBA 6th Sem.**

**Class: BBA 4th Sem.**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1 Scope, Importance of research.	Business Research – Meaning, Features, Objectives of research,
Week 2 Theories of research : Inductive Theory	Types of Business Research. Managerial value of Business Research.
Week 3 research constructs. Proposition and Hypothesis.	Deductive Theory. Research problem. Research – components, Test
Week 4 Hypothesis, Formulations of Hypothesis, Types of Hypothesis, Testing of Hypothesis.	Features, Significance, Objective to construct
Week 5 proposal, Ingredients of research proposal	Purpose and Benefits of Research Proposal, Types of Research
Week 6 design,	Research Design – Meaning, classification and elements of research Test
Week 7 Importance, Contents of Research Design Factor Influencing Research Design	Methods and categories of exploratory research, Scope,
Week 8 Research design	Descriptive Research Design Causal Research Design Evaluation Of Assignment
Week 9 design, Internal Validity External Validity Measurement of Scales-concept, Nature, Importance Types of scales, Scale construction techniques	Basic issues in Experimental design Classification of experimental
Week 10 sampling: Probability and Non- Probability Sampling	Sampling Concept, Features , Benefits of Sampling Types of
Week 11 Way to Reduce Sampling Error	Determinant of Sample Size Sampling Error Non- Sampling Error
Week 12 Benefits and sources of collecting data	Research methods of collecting primary data and secondary data Test
Week 13 construction of questionnaire, Statistical Techniques of data Analysis	Issues in construction of questionnaire, Process Forms Guidelines in

Week 14 Data Analysis Purpose and Steps in Data Analysis ,Nature and types of descriptive analysis, Casual Analysis,CorrelativeAnalysis,Univeriate and Biaveriate Test of Stistical Significance

Week 15 Research report: Concept, Features, Benefits Types of Report Phycial Layout of Report , Evaluation of research report Ingredients of research report

**Name of College: Govt. P.G. College for Women, Rohtak**

**Academic Session: 2021-2022 Semester: Even**

**Subject: Organizational Behavior (BBAN- 205) Name of Extension Lecturer: Dr. Mukesh**

**Class: BBA 6th Sem.**

**Class: BBA 2nd Sem.**

**Week of Month**

**Topics/Chapters to be covered**

Week 1 Concept, features and scope of organizational behavior,Conceptual framework to organizational behavior

Week 2 Contributing disciplines to organizational behavior,Role of organizational behavior, Determinants to organizational behavior

Week 3 Historical Development of Organizational Behavior: Classical Era-Scientific Management, AdiministrativeManagement,Bureaucracy,Thebehavioural Era

Week 4 Human Relation Era, Foundations of organizational behavior and Processes

Week 5 Models to organizational behavior, Emerging trends and changing profiles of workforce

Week 6 Role of organizational behavior, Challenges of organizational behavior

Week 7 Individual behavior, causes of human behavior, Determinants of individual behavior,Personality concept and its determinants

Week 8 Approaches to Personality Personality traits inflencing organizational behavior,Values concept, types and sources Assignment

Week 9 Value and organizational behavior, Attitudes concept, nature, components,Function and sources of attitudes Theories and types of attitude continue

Week 10 Perception concept and perceptual process Factors influencing perceptionApplication of perception in organizational behavior

Week 11 Learning concept, nature, factors affecting learning,Theories of learning

Week 12 Motivation,Emotional intelligence, its importance and application,Foundations of group behavior Team Processes

Week 13 Interpersonal Communication, Group DynamicTeam and Team Work,Conflict and negotiation in Workplace,Power and Politics in Organisation

Week 14 Organizational Processes,OrganisationalCulture,Organizational development Elements and Process in DesigningOrganisationalStructureNeed of Organisational Structure

Week 15 OrganisationalChangeTypes of change Forces for Change : External Forces Resistance to Change Stress management Sources, Effects, Strategy to Overcome stress types of stress

**Name of College: Govt. P.G. College for Women, Rohtak**  
**Academic Session: 2021-2022 Semester: Even**  
**Subject: E-commerce (BBAN-605) Name of Extension Lecturer: Dr. Mukesh**  
**Class: BBA 6th Sem.**  
**Class: BBA 6th Sem.**  
**Week of Month**

**Topics/Chapters to be covered**

Week 1	Introduction – E-commerce meaning, nature, concepts. Reasons for transacting online (drivers of e-commerce) Advantages for transacting online.
Week 2	Categories of E-commerce, Planning online business: nature, objectives and benefits. Knowledge Society- origin, features, vision and indicators of knowledge society, Digital Economy- features, components and threats to digital economy.
Week 3	Planning online business: how it work. Myths about e-commerce. Way to overcome online business problems. Planning online business: dynamics of the internet.
Week 4	Pure online vs. brick and click business. Assessing technological requirement for an online business. Assignment
Week 5	Designing, developing and deploying the system. One to one enterprise
Week 6	Technology for online business – internet, IT infrastructure; middleware Test
Week 7	Text and integrating e-business applications; mechanism of making payment through internet: online payment mechanism, electronic payment systems
Week 8	Payment gateways, visitors to website, tools for promoting website;
Week 9	Plastic money concept, benefits, pitfall and its types: debit card, credit card Difference between credit and debit card. Various laws relating to online transactions
Week 10	Applctaions in e-commerce – e-commerce applications in manufacturing, wholesale
Week 11	Applctaionsin retail and service sector. Virtual existence – concepts, working of virtual org.
Week 12	Virtual existence advantages and pitfalls of virtual organizations, workface, work zone and workspace and staff less organization
Week 13	Designing on E-commerce model for a middle level organization: the conceptual design, giving description of its transaction handlin
Week 14	Infrastructure and resources required and system flow chart; security in e-commerce, Digital signatures; cocept, objectives, benefits.
Week 15	Data encryption, features types and various secret keys for data encryption, Concept of network security: objective, nature, Scope.

**Name of College: Govt. P.G. College for Women, Rohtak**  
**Academic Session: 2021-2022 Semester: Even**  
**Subject: Consumer Protection Name of Extension Lecturer: Dr. Mukesh**  
**Class: BBA 6th Sem.**  
**Class: BBA 6th Sem.**



<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1 Consumer rights, approaches of Consumer protection, amendments in consumer protection act	Consumer protection Act: objectives, scope, features, importance,
Week 2 Consumers	Consumer Exploitation & reason, Consumer Protection & Challenges to the
Week 3	Meaning & Types of Buying Motives, Doctrine of Caveat Emptor
Week 4	Concept of Caveat Venditor & Consumer Sovereignty
Week 5 Act, The Competition Act	Measures for Consumer Protection In India, The MRTP Act, The Sale of Goods
Week 6 Commission, National Commission	Quasi Judicial Mechanism, District forum, Jurisdiction for State Test
Week 7 judicial bodies, Procedure for Filing Complaints	Procedure for Grievance Redressal, Reliefs granted by Quasi
Week 8 The Environment Act, Drugs and cosmetics Act	Measures for consumer protection in India. The agriculture produce Act,
Week 9 of weight and measurement Act	Essential commodities Act, Prevention of food adulteration Act, Standards
Week 10	Consumer protection councils: district, state, national level,
Week 11 shortcomings	Consumer protection Act appraisal and exercise, benefits and
Week 12 Basic provisions of the Consumer Protection Act (CPA) 1986	Measures for consumer protection in India: administrative mechanism,
Week 13 Act	Organizational set up for consumer protection under Consumer protection
Week 14	Jurisdiction of district forum, state commission and national commission Power of redressal agencies and relief granted by quasi judicial bodies Need, Purpose,
Week 15 Approaches of Consumer Information & Knowledge	Power and rights of district forum, state commission and national commission

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Financial Accounting –II Name of Extension Lecturer: Dr. Mukta Soni

Class: B.Com. 2nd Sem, Sec C

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>	<b>Topics of Assignment/ Tests given/ to be given to the students</b>
Week 1	Hire Purchase System	
Week 2	Continue	
Week 3	Installment Payment Systems	

Week 4	Revision
Week 5	Branch Accounts
Week 6	Branch Accounts
Week 7	DepartmentalAccounts
Week 8	Continue and Revision TEST
Week 9	Amalgamation and sale of partnership firms,
Week 10	Dissolution of Partnership Firm-Insolvency of Partners
Week 11	Continue and Revision
Week 12	Joint-VentureAccount
Week 13	Royalty Account.
Week 14	Gradual Realisation and Piecemeal Distribution

Week 15 Continue and Revision

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Financial Management Name of Extension Lecturer: Dr. Mukta Soni

Class: B.Com. 6th Sem ,Sec D

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Introduction of Financial Management
Week 2	Introduction of Financial Management
Week 3	Introduction of Financial Management
Week 4	Continue and Revision
Week 5	Working Capital Management
Week 6	Working Capital Management
Week 7	Working Capital Management Test
Week 8	Continue and Revision
Week 9	Cost of capital
Week 10	Cost of capital
Week 11	Cost of capital
Week 12	Continue and Revision
Week 13	Capital structure theory and policy

Week 14 Capital structure theory and policy

Week 15 Dividend Theory and Policy

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Secretarial Practices Name of Extension Lecturer: Dr.MuktaSoni,PreetiPanchal,Bhumika

Class: B.Com. 4th Sem. Pass course Sec. A

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1 Introduction of company secretary

Week 2 Introduction of company secretary

Week 3 Revision of unit I

Week 4 Duties of Secretary regarding formation of M/A and A/A and their alterations

Week 5 Duties of secretary regarding issue of share certificate

Week 6 share warrant and share stock, calls-in-arrear

Week 7 forfeiture and re-issue of shares, transfer and transmission of shares & revision of unit-II  
Test

Week 8 Company Meeting & Secretary

Week 9 Company Meeting & Secretary

Week 10 Company Meeting & Secretary

Week 11 Company Meeting & Secretary & revision of unit-III

Week 12 Company Secretary and motion and Resolution,

Week 13 Company Secretary and motion and Resolution,

Week 14 voting and proxy

Week 15 voting and proxy & revision of unit-IV

## Lesson Plan

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: Foundation of International Business Name of Extension Lecturer: Sunisha Sehgal

Class: BBA 6th SEM.

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1 Introduction,Characteristics,Types,advantages,disadvantages Process of International  
Business,strategies,factor for the Growth of IB

Week 2 Introduction,Structure,need for study Of International Business Environment,types of business  
risk&risk in IB,Risk management process,methods of handling risk in IB

Week 3 Motives& Harmful Effects of Internationalisation of Business,factor affecting gains from  
International trade,concept,arguments for favouring&against free trade & protection Test of Introduction of IBE

Week 4 financial system	Features, Objectives, Structure, Advantages & Disadvantages of WTO, role, challenges, global
Week 5	Factor affecting selection of entry mode, Strategies of Globalisation, Essentials For entry into Foreign Market, modes of IB, Strategies of Globalisation, essentials for entry into foreign market
Week 6 matrix	Steps in Country Evaluation & Selection, factors used in country evaluation & selection, evaluation
Week 7 FDI, New foreign investment policy	Introduction, classification, need of foreign capital, factor affecting, advantages, disadvantages of Assignment on WTO
Week 8	Internal & External Control Mechanism in IB, difficulties in control over IB
Week 9 logistic decision	Objectives, of Global Manufacturing Strategies, Factor affecting location of global manufacturing &
Week 10 Management	Concentrated vs. Dispersed Location, Make or Buy Decision, Supply Chain management, Material
Week 11 Test of FDI	Nature, Need & Difficulties in International Marketing, International product strategies      Written
Week 12	Factors in International Pricing, Distribution Network
Week 13	Need for Harmonising Accounting Differences Across Nations, Causes for differences Assignment on International Marketing
Week 14	Lessard Lorange Model, Cross Cultural Challenges in IB
Week 15	International Staffing & Compensation Decisions & Revision

### **Lesson Plan**

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: Financial Management Name of Extension Lecturer: Sunisha Sehgal

Class: BBA 4th SEM.

Week of Month	Topics/Chapters to be covered	Topics of Assignment/ Tests given/ to be given to the students
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Week 1	Nature & Scope, Objectives, functions Of Financial Management, Evolution of Business Finance, Organisation of Finance Function	
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Week 2	Introduction of Time value of Money, methods, practical problems on time value of money	
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Week 3	Introduction of Cost of capital, Significance & Factor Affecting, problems in determination of cost of capital, computation of cost of capital	Test of Introduction of Financial Management
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Week 4	Problem Solving Session & practical questions of cost of debt, equity share capital, retained earning, miscellaneous illustrations	
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Week 5	Introduction, Features, Importance & kinds, techniques Of Capital Budgeting	
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Week 6	Practical questions of ARR, NPV, IRR	
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Week 7	Practice of methods of Capital Budgeting, problem solving session Assignment on Cost of Capital	
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Week 8	Introduction,types,significance,limitation of Leverages,Practical question on operating leverage	
Week 9	Problem solving session & Practical questions on Financial & operating leverage	Written
Test of Capital Budgeting		
Week 10	Features&Factors Affecting Capital Structure,Theories of Capital Structure	
Week 11	Dividend policy-Theories,factor affecting	
Week 12	EPS-EBIT Analysis,Practical questions on Indifference point level	
Week 13	Nature,FactorsAffecting,techniques& Management Of Working Capital Assignment on Capital Structure	
Week 14	Objectives Of Cash Management& Factor Determining Cash Needs	
Week 15	Objectives & Techniques of Inventory Management,Receivables	

### **Lesson Plan**

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: Business Statistics Name of Extension Lecturer: Sunisha Sehgal

Class: BBA 2nd SEM.

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Introduction to Statistics,Scope,Collection& Classification of data & its types,Objectives	
Week 2	Rules& Examples of Construction of Frequency Distribution	
Week 3	Presentation of data,methods,objectives,types& rules for construction of tables,diagrams,graphs	Test of Introduction to Statistics
Week 4	Problem Solving Session & Introduction to Central tendency,meaning,objectives,types of Averages,Practice of Arithmetic Mean	
Week 5	Combined Mean,Median,MathematicalPropertiesMerits&Demerits of Mean	
Week 6	Partition Values-Quartiles,Deciles,&Percentiles,Mode,Geometric&HarmonicMean&its relation	
Week 7	Practice of Mean,Median,Mode& its relation,Introduction,objectives,Properties,methods of measuring Dispersion	Assignment on Construction of Tables
Week 8	Continuation of practice of Dispersion & its types,Introduction of Skewness,test& measure of Skewness	
Week 9	Karl Pearson',Bowley's,Kelly'sMethod,Practice of methods of Dispersion	Written Test of Central tendency
Week 10	Correlation-types,degrees,methods	
Week 11	Properties of coefficient of correlation, problems of correlation,coefficient of determination	
Week 12	Regression types,coefficient of Regression	
Week 13	Index Number,weighted index number	Written Test of Regression

Week 14 Time Series I-utility, components, analysis of time series, methods of measuring trend Assignment on Index Number

Week 15 Time Series II, Calculation of growth rate

### **Lesson Plan**

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: HRM Name of Extension Lecturer: Sunisha Sehgal

Class: BBA 4th SEM.

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1 Nature, Scope, need, prerequisites of HRM, Qualities of HR Manager, Difference between of HRM & Personnel Management

Week 2 Roles, Functions, Evolution of HRM, Horizons of HRM in India

Week 3 HR Policies & Procedures, features, essentials, of personnel policy, factors affecting, process of formulation of personnel policy, HRM IN Globally Competitive Environment, HR challenges & emergence Test of Introduction of HRM

Week 4 Introduction, process, challenges of strategic HRM, HR Scorecard Approach, HR Outsourcing BPO KPO

Week 5 Introduction, Need, Objectives, Process, advantages, disadvantages Of HR Planning, factor affecting for effective HR Planning

Week 6 Introduction, Objectives, Uses, Process, techniques, problems of Job Analysis, job description & specification

Week 7 Advantages, Disadvantages, Objectives & Methods of Job Design, Introduction of Recruitment, factors affecting, policy of recruitment, sources of recruitment Assignment on Recruitment

Week 8 Introduction, Benefits, Criteria, process of Selection, Placement, Induction, Rightsizing

Week 9 Need, problems, Techniques, Challenges, Suggestions In Rightsizing Written Test of Job analysis & design

Week 10 Flexible work schedule, employee training- Characteristics, Objectives, Need, methods of Training & Development, cross cultural training, Oral Test of Induction & Placement

Week 11 Career planning & Development - Nature, Objectives, Advantages, Process of Career Planning & Development, Employee Retention, Succession Planning Written Test of Recruitment & Selection

Week 12 Advantages, Disadvantages & Suggestions of Succession Planning, Performance Appraisal

Week 13 Compensation Management I & II Essentials, Characteristics of Good Reward System Assignment on Career Planning

Week 14 Accident Safety Consciousness, Obj & Statutory Provisions regarding Health

Week 15 Types, Scope, Process & Principles of Competency Based HRM, Balance Scorecard Approach Viva of Compensation Management

**Government PG College for Women, Rohtak**

**Lesson Plan: 2021-22**

**Teacher's Name: Dr. Mamta Ranga**

**Subject: Business Management****Class: B.Com. 2nd Semester Pass Course (Sec. - A & D)**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
	<b>Assignments, Presentation and Test etc.</b>	
1	Week 1	Staffing: Introduction, meaning, Scope or Process of Staffing, Job Analysis, Importance of Job Analysis
2	Week 2	Recruitment : meaning and sources, Evaluation of recruitment sources
3	Week 3	Selection : meaning and concept, Selection tests, Selection process
4	Week 4	Training: meaning and nature, Advantages of Training, Difference between Training and Development, Training methods: On-the-Job training and Off-the-Job training
5	Week 5	Motivation: meaning, nature, Importance of Motivation, Motivation process, Theories of Motivation: Maslow's Need Hierarchy Theory, Herzberg's Motivation- Hygien Theory
6	Week 6	Theories of Motivation: McGregor's X and Y Theory, Ouchi's Z Theory, Motivational Techniques: Positive and Negative Motivation
7	Week 7	Leadership: meaning, nature, Qualities of a good Leader, Theories of Leadership: The Trait Theory, The Situation Theory, The Follower's Theory
8	Week 8	Theories of Leadership: The Follower's Theory, Behavioural Theory and Other Theories, Leadership Styles: Motivational, Power Based
9	Week 9	Leadership Styles: Result Based Leadership Style Communication: meaning, Process, Communication Network
10	Week 10	Communication media, Barriers to Effective Communication, Importance of effective communication, Revision of unit
12	Week 11	Controlling: meaning and nature, Objectives and Importance of Controlling, Controlling Process, Relationship between Planning and Controlling
13	Week 12	Control Techniques: traditional and modern, Programme Evaluation and Review Technique and Critical Path Method
14	Week 13	Management of Change: meaning and nature, Causes of change, Types of Changes Discussion on topics of assignment
15	Week 14	Management of Change: Process of Planned Change, Revision and discussion on problems
16	Week 15	Revision

**Government PG College for Women, Rohtak****Lesson Plan: 2021-22****Teacher's Name: Ms. Mamta Ranga****Subject: Goods and Service Tax (GST) & Customs Law****Class: B.Com. 6th Semester Pass Course (Sec. - B)**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
	<b>Assignments, Presentation and Test etc.</b>	
1	Week 1	Introduction, Overview of GST
2	Week 2	Salient feature of GST, Benefit of GST, Concept of GST, Important Definition
3	Week 3	Constitutional Framework of Goods and Service Tax, Supply under GST
4	Week 4	Meaning and Scope of Supply including Composite and Mixed Supply
5	Week 5	Levy and Collection including Reverse Charge Mechanism
6	Week 6	Tax on Electronic Commerce Operator (ECO); Exemption from GST; Composition Levy
7	Week 7	Place of Supply:- Within State/Union Territory, Interstate, Import and Export
8	Week 8	Time of Supply of Goods and Services; Value of Supply including Valuation Rules; Input Tax Credit: -Eligibility and Conditions for taking Input Tax Credit
9	Week 9	Apportionment of Credit and Blocked Credit, ITC in case of Banking Company and Financial Institutions, ITC availability in Special Circumstances
10	Week 10	Reversal of ITC on Switching to Composition Levy or Exit from tax- paying Status, Transfer of ITC on account of change in Constitution of Registered Person, Input Service Distributors

11	Week 11	Registration; Issue of invoices:- Tax Invoice, Revised Tax Invoice, Credit Note, Debit Note, Bill of Supply, Receipt Voucher	Written Test
12	Week 12	Refund Voucher, Payment Voucher, Invoices in special cases. ; E-way Bill; Payment of Taxes;	
13	Week 13	Returns; Job Work; Provision of TDS and TCS; Record Keeping, Assessment and Audit	
14	Week 14	Custom Duty : Important Definitions, Types, Importance, Document required for Import	Written Test
15	Week 15	Document required for Import and Export Procedure: Export Promotion Scheme	Viva-Voce

### **Subject: Business Management**

### **Class: B.Com. 2nd Semester Pass Course (Sec. - A & D)**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
		<b>Assignments, Presentation and Test etc.</b>
1	Week 1	Concept of Production Management, Background of Production Management, Different Aspects of Production Management, Production Management - Five P's
2	Week 2	Production Management - Objectives, Scope, Functions and Organisation, Problems
3	Week 3	Benefits of Production Management, Relationship with Other Areas, Present & Future Scenario of Production Management
4	Week 4	Types of Production System - Intermittent Production, Flow Production, Process Planning
5	Week 5	Process Analysis - Stages, Process Analysis - Techniques, Process of Plant Location Class Test
6	Week 6	Theories of Plant Location, Influencing Factors, Facilities Location Planning, Important Techniques For Location Decisions
7	Week 7	Importance of Plant Location, Quantitative Models of Location, Consequences of Improper Location
8	Week 8	Recent Developments, Plant Layout -Meaning, Objectives, Principles, Plant Layout - Cost & Importance
9	Week 9	Advantage and Factor Influencing, Procedure For New Plant, Types of Plant Layouts
10	Week 10	Techniques of Plant Layout, Production Planning - Concept, Need and Types
12	Week 11	Production Planning - Concept, Need and Types, Techniques
13	Week 12	Factors Influencing Production Planning, Production Control - Meaning, Objectives and Elements
14	Week 13	Control Techniques, Production Control in Different Production Systems, Benefits and Limitations
15	Week 14	Quality Control - Meaning and Scope, Principles of Quality Control, Quality Control - Objectives and Organisation
16	Week 15	Quality Control - Tools and Techniques, Maintenance Programme Techniques and Organisation

### **Lesson Plan**

**Name of Assistant/Associate Professor : Dr Ruchi(Lecturer on Extension Basis)**

**Academic Session: 2021-22 Semester: Even Semester**

**Class and Section : B.Com (P) -6th Semester Section B,C,D**

**Subject : Cost Accounting**

<b>Week</b>	<b>Topics</b>
1	Meaning of Budget & Budgetary Control Zero Base Budgeting Performance Budgeting Responsibility Accounting
2	Concept of Marginal Costing Calculation of Marginal Cost Marginal Costing as a tool for Decision Making
3	Concept of Cost Volume Profit Analysis Break Even Analysis
4	Margin of Safety and Practice



5	Standard Costing
	Material Variance Analysis
6	Labour Variance Analysis
7	Concept of process costing
	Preparation of process cost accounts
	Treatment of normal wastage
	Treatment of Abnormal Wastage
8	Treatment of Abnormal Effectiveness
	Process having opening and closing stock
9	Concept of Joint Product & By Product
	Method of Apportionment of Joint cost
10	Contract Costing: Concept, Specimen of Contract Account
11	Determination of P/L on Contract
12	Concept of Incomplete Contracts
13	Escalation Clause & Practice
	Cost Plus Contract
14	Job Costing & Practice
15	Batch Costing & Practice

#### **Lesson Plan**

**Name of Assistant/Associate Professor : Dr Ruchi(Lecturer on Extension Basis)**

**Academic Session: 2021-22 Semester: Even Semester**

**Class and Section : B.Com (H) -6th Semester**

**Subject : Project Planning and Management**

<b>Week</b>	<b>Topics</b>	<b>Topics of Assignment/ Tests given/ to be given to the students</b>
1	Project Planning: Planning, strategy and Capital Allocation Generation and Screening of Project Ideas	
2	Analysis: Market and Demand analysis,	
3	Technical Analysis, financial Estimates and Projections, Time Value Money, Investment Criteria	Test
4	Project Cash Flows, The Cost of Capital, Stand Alone Risk analysis,	
5	Risk analysis- Market and Firm Risk, Special Decision Situations,	
6	Social Cost Benefit analysis, Multiple Projects and Constraints	Test
7	Valuation of Real Options	
8	Judgemental, Behavioural considerations.	
9	Strategic and Organisational considerations.	Test
10	Financing: Financing of Projects, financing Infrastructure Projects,	
11	Venture capital and Private Equity	
12	Private Equity	
13	Implementation: Project Management,	
14	Network Techniques for Project Management	
15	Project Review and Administrative Aspects	Viva of Whole Syllabus

**Government PG College for Women, Rohtak**

**Lesson Plan Even Sem 2021-22**

**Teacher's Name: Mrs. HARSH**

**Subject: Business Environment sec. B & C**

**Class: B.Com 2nd Sem**

<b>Week</b>	<b>Topics to be Covered</b>	<b>Assignments, Presentation and Test etc.</b>
1	Introduction to syllabus, Meaning and Characteristics of Business Environment	
2	Components of Business Environment	
3	Current Indian Business Environment	Oral test unit 1
4	Analysis and importance of Business Environment	Presentations
5	SWOT Analysis, ETOP Analysis	
6	Trends in National Income, Trends in Saving and Investment	Test Unit-1
7	trends in saving and investment, trends in Industrial Development	Presentations

8	Balance of Trade and BOP, unemployment Problem in India	
9	Regional Imbalances, Parallel Economy	Oral Test
10	Inflation	Presentations
11	Industrial Sickness	Test Unit-2
12	Monetary Policy, Fiscal Policy	Presentations
13	Industrial Policy	Test Unit-3
14	Privatisation in India	Presentations
15	Revision and Discussion	Oral Test

Govt. P.G. College for Women Rohtak

Lesson Plan for 2021-22 (Even Semester)

Teacher's Name - Mrs. HARSH

Subject Name - Investment Management With Tutorial

Week	Topic to be covered Assignment, Test, Presentation etc.
1	Investment: Nature ,Scope, Avenues, Elements
2	Process of Investment; Tax and Transaction cost in Investment; Time Value of Money,
3	Risk - Return Analysis- Meaning, types and measurement; source of financial Information Oral test
4	Capital Markets: Secondary and Primary, Public Issue: IPO Test of Unit 1
5	Other types of issues in Securities in India; Stock-Market: - Stock-Exchanges, Listing of Securities,
	Trading and Settlement;
6	Trading and Settlement; SEBI- Objectives, Function and Evaluation of its role; Intermediaries in the
	capital markets (including Depositories) Test of unit 2
7	Security Valuation: Bonds/Debentures, Preference Shares, Equity Shares, Options and Futures (With
	numerical); Presentation
8	Security Analysis- Fundamental Analysis(Macroeconomic, Industry and Company analysis),
9	Continue above Presentation
10	Estimation of Intrinsic Value. Assignments
12	Technical Analysis: Charting techniques, Dow-theory, Moving Average Analysis, Written Test
13	Oscillators Moving Average Convergence-Divergence, Relative Strength Index and Rate of Change,
	Technical Indicators of Breadth, Sentiments),
14	Testing Technical Trading Rules, Evaluation of Technical Analysis, Practice of Numerical
15	Random Walk Theory, Forms and Empirical Evidences of Various Forms of EMH. Viva

**Government PG College for Women, Rohtak**

**Lesson Plan for 21-22 Even Sem**

**Teacher's Name: Mrs. HARSH**

**Subject: Elements of Banking 16COMF3 (Foundation elective)**

**Class: Msc. 2nd Sem**

Week	Topics to be Covered Assignments, Presentation and Test etc.
1	Introduction to Banking: Meaning, Concept, History of Banking, Business of Banking,
2	Functions of Banking, Recent Developments in Banking Industry: Corporate Banking, Oral
Test	
3	Banker Customer Relationship,
4	Retail Banking, International Banking, Rural Banking. Non-Banking Financial Intermediaries
5	Structure of Commercial Banking in India, Structure of Indian Banking, Commercial Banks,
	Presentations
6	Reserve Bank of India
7	Public Sector Banks, Private Sector Banks,
8	Foreign Banks, Indian Banks vs. Foreign Banks. Test
9	Structure of Co-operative Banks in India: Co-operative Banks: Meaning, Definitions, Presentations
10	Commercial vs. Co-operative Banks, Regional Rural Banks
11	Structure of Apex Banking Institution in India: Meaning. Definitions, Oral Test
12	National Bank for Agriculture and Rural Development (NABARD), Presentations
13	Small Industries Development Bank of India (SIDBI), Presentations
14	National Housing Bank (NHB), Export Import Bank of India (EXIM Bank) Presentations

**Name of College: Govt. P.G. College for Women, Rohtak**

**Academic Session: 2021-22 Semester: Even**

**Subject: Principles of Management, Name of Guest Lecturer: kavita**

**Class: BBA 2nd Sem.**

<b>Week of Month</b>	<b>Topics/Chapters to be covered Assignment, Presentation and Tests</b>
Week 1	Introduction - nature and process of management, Managerial roles and skills
Week 2	Nature of managerial work-Management is an Art, Science and Profession
Week 3	Approaches to management
Week 4	Contemporary issues to management Assignment
week 5	Issues and challenges to Management
Week 6	Planning and decision making
week 7	Kinds of plans, strategic planning, tactical and operational planning
week 8	Tactical and Operational Planning, Test
Week 9	Goal settings, Management by Objectives
Week 10	Managerial decision making process
week 11	forms of group decision making in organization Assignment
week 12	Departmentalisation , Revision
week 13	Organizing and leading elements of organization, Coordination and Leadership
Week 14	Management control and system, Controlling Techniques
Week 15	Social audit
	<b>Viva-voce</b>

**Subject: Company Accounts Name of Guest Lecturer: Kavita**

**Class: BBA 2nd Sem.**

<b>Week of Month</b>	<b>Topics/Chapters to be covered Assignment, Presentation and Tests</b>
Week 1	Issue of shares (alteration of share capital )
Week 2	Buy back of shares, Acquisition of shares
Week 3	Profit or loss prior to Incorporation and subsequent to Incorporation
Week 4	Issue of Debenture
Week 5	Redemption of Debenture Assignment
Week 6	Methods of Debenture
Week 7	Continue Redemption of Debenture, Underwriting
Week 8	Final Accounts of Companies
Week 9	Continue Final Accounts, Problems Assignment
Week 10	Basic Feature of Accounting Standards
Week 11	Revision - Final Accounts, Accounting Standards
Week 12	Liquidation Accounts of Companies
Week 13	Valuation of Goodwill
Week 14	Valuation of Shares, Revisions Viva-voce
Week 15	Accounts of Banking Companies

**Class: BBA 4TH Sem.**

<b>Week of Month</b>	<b>Topics/Chapters to be covered Assignment, Presentation and Tests</b>
Week 1	Indian contract act, Law of contract
Week 2	Capacity to contract, consent and free consent
Week 3	Lawful consideration and object
Week 4	Quasi contract and discharge of contract
week 5	Void Agreements
Week 6	Remedies for breach of contract
Week 7	Contract of guarantee, Contract of indemnity Assignment
Week 8	Bailment contract, Rights and duties of pledger and pledgee
week 9	Contract of agency
week 10	sale of Goods Act-1930
Week 11	Performance of contract, right of unpaid seller Assignment

Week 12	Negotiable instrument Act, 1881
week 13	Information technology Act, 2000
Week 14	Test, Revision, IT Act Viva-Voce
week 15	Right to Information Act-2005

**Name of College: Govt. P.G. College for Women, Rohtak**

**Academic Session: 2021-22 Semester: Even**

**Subject: Human Rights and Values Name of Guest Lecturer: Kavita**

**Class: BBA 4th Sem.**

<b>Week of Month</b>	<b>Topics/Chapters to be covered Assignment, Presentation and Tests</b>
Week 1	Introduction to Human Rights - Basic Concept, Features,
Week 2	Discussion about the International Perspective of Human Rights
Week 3	Discussion about the Indian Perspective of Human Rights
Week 4	Evolution of Human Rights - History of Human Rights Movements in the World
Week 5	Classification of Human Rights
Week 6	Human Rights Movements in India Economical, Political, Social Rights
Week 7	Classification of Human Rights and
Relevant Constitutional Provisions to Right to Life, Liberty and Dignity,	
Week 8	Right to Equality,
Right against Exploitation, Cultural and Educational Rights, Economic Rights,	
Week 9	Deprivation of Human Rights: Disadvantage Group
Week 10	Political Rights and Social rights, Deprivation of Human Rights – Core Issues: Poverty, overpopulation, illiteracy, Problems Unsustainable Development
Week 11	Government systems for Redressal, Judiciary, National Human Rights Commission and other
Statutory Commissions, Media Advocacy, Creation of Human Rights Literacy and Awareness	Assignment
Week 12	Concept of Human Values: Aim of education and value education; Evolution of value education
oriented education; Concept of Human values; types of values; Components of value	
Week 13	Character Formation Towards Positive Personality - Truthfulness, Sacrifice,
Sincerity, Self-Control, Altruism, Tolerance, Scientific Vision;	Assignment
Week 14	Value Education towards
National and Global Development, Value Education	<b>Viva-voce</b>
Week 15	National Integration and international understanding.

**Name of Extension Lecturer: MS. Priyanka**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1	Dissolution of Partnership Firm-Insolvency of Partners
Week 2	Continue
Week 3	Amalgamation and Sale of Partnership Firm
Week 4	Hire Purchase Systems
Week 5	Continue
Week 6	Installment Payment System
Week 7	Continue
Week 8	Branch Account
Week 9	Continue
Week 10	Departmental Accounts
Week 11	Continue
Week 12	Joint-Venture Account
Week 13	Continue
Week 14	Royalty Account.
Week 15	Revision

**Name of College: Govt. College for Women, Rohtak**

**Academic Session: 2021 - 2022 Semester: EVEN**

**Subject: Secretarial Practices Class: B.Com. 4th Sem ,Sec D(1-2)**

**Name of Extension Lecturer: Priyanka, Ruchi, Payal**

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1	Secretary
Week 2	Secretary
Week 3	Secretary
Week 4	REVISION, PROBLEM
Week 5	Promotion of Company and Secretary
Week 6	Promotion of Company and Secretary
Week 7	Promotion of Company and Secretary
Week 8	REVISION, PROBLEM
Week 9	Company Meeting & Secret
Week 10	Company Meeting & Secret
Week 11	Company Meeting & Secret
Week 12	Company Secretary and motion and Resolution, voting and proxy
Week 13	Company Secretary and motion and Resolution, voting and proxy
Week 14	Company Secretary and motion and Resolution, voting and proxy
Week 15	REVISION, PROBLEM

Name of Extension Lecturer: MS. Priyanka

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1	Dissolution of Partnership Firm-Insolvency of Partners
Week 2	Continue
Week 3	Amalgamation and Sale of Partnership Firm
Week 4	Hire Purchase Systems & Installment Payment System
Week 5	Continue
Week 6	Lease Accounting
Week 7	Branch Account
Week 8	Continue
Week 9	Continue
Week 10	Departmental Accounts
Week 11	Continue
Week 12	Royalty Accounts
Week 13	Continue
Week 14	An Introduction to Tally
Week 15	Revision

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021 - 2022 Semester: EVEN

Subject: Business Economics Class: B.Com.2nd Sem, Sec C&D

Name of Extension Lecturer: MS. Priyanka

<b>Week of Month</b>	<b>Topics/Chapters to be covered</b>
Week 1	Perfect Competetion
Week 2	Continue
Week 3	Monopoly
Week 4	Continue
Week 5	Monopolistic Competetion
Week 6	Continue
Week 7	Oligopoly
Week 8	Marginal Productivity Theories
Week 9	Continue
Week 10	Rent- Concept and theories of Rent
Week 11	Continue
Week 12	Intersest- Concept of theories of Interest
Week 13	Continue
Week 14	Therories of Profit
Week 15	Revision

**Government PG College for Women, Rohtak**

## **Lesson Plan Session 2021-2022 Even Sem**

**Teacher's Name: Dr. Renu**

**Subject: International Marketing**

**Class: B.Com 6th Semester (Sec. A)**

**Week of the Month Topics to be Covered**

**Assignments, Presentation and Test etc.**

- |   |  |
|---|--|
| 1   | International Marketing:   |
| Nature and Concept  |  |
| 2   | Domestic Vs International Marketing  |
| 3   | Opportunities and Challenges for marketing in International Environment  |
| 4   | Foreign market selection and entry modes Presentations   |
| 5   | Product Planning and Pricing Presentations   |
| 6   | International product life cycle research and informations Class Test of Unit 1                                  |
| 7   | Product designing and packaging Presentations  |
| 8   | Pricing process Presentations  |
| 9   | Pricing methods Presentations  |
| 10  | International price quotations and payment ter Presentations   |
| 11  | International Distribution:  |
| Channel structure and selection decisions Presentations                       |  |
| 12  | Managing channel conflicts, Web marketing; Organising trade fairs and exhibitions Presentations                  |
| 13  | Selection and appointment of foreign sales agents, Basic export procedure and documentation Class test of Unit 2 |
| 14  | Product Promotion: challenges in International advertising and media strategy                                    |
| Methods of International product Promotion Discussion on topics of assignment |  |
| 15  | Revision Discussion on How to attempt the paper  |

## **Government PG College for Women, Rohtak**

**Session : 2021-2022 ( Even Sem)**

**Teacher's Name: Dr. Renu**

**Subject: Marketing Management**

**Class: B.Com 4th Semester (Sec B and C)**

**Week of the Month Topics to be Covered Assignments, Presentation and Test etc.**

- |    |  |
|----|--|
| 1  | Introduction of Market, Marketing and Marketing Management, Different Marketing Approach , Marketing Functions   |
| 2  | Importance of Marketing, Role of Marketing in the Economic Development, Difference between Marketing and Selling   |
| 3  | Major problems of Marketing in India, Objectives of Marketing, Marketing Concepts: Traditional and Modern, Difference between Old and New Concept  |
| 4  | Market Segmentation: concept, importance, objectives, Methods of Market Segmentation, Market Segmentation Strategies, Product Differentiation and Market Segmentation                              |
| 5  | Consumer Behaviour: meaning, nature, significance, Difficulties in understanding Consumer Behaviour Class Test   |
| 6  | Scope of Consumer Behaviour, Product Planning: meaning, features, objectives and elements, Product Development: meaning, nature, elements, Scope of Product Planning and Development Presentations |
| 7  | Development of New Product: meaning, Stages of New Product Development, Failure of New Product   |
| 8  | Product Life Cycle: meaning, features, Stages of Product Life Cycle, Different Shapes of Product Life Cycle  |
| 9  | Marketing Strategies during the Product Life Cycle, Factors affecting Product Life Cycle, Importance of Product Life Cycle, Limitation of Product Life Cycle Presentations                         |
| 10 | Branding: meaning, importance, limitations, Difference between Brand and Trademark, Brand Policies and Strategies, Brand Testing Class Test  |

11	Product Pricing: meaning, importance, Pricing objectives, Pricing Policies, Factors affecting Pricing Policies
12	Discussion on topics of assignment Procedure of Price Determination, Pricing Methods, Discount Policies, Non-price Competition
13	Advertising: meaning, objectives, Functions of Advertising, Advantages and Disadvantages of Advertising, Principles of an effective Advertising
14	Class Test Advertising Media: Press Advertising, Outdoor Advertising, Mail Advertising, Entertainment Advertising and Promotional Advertising, Factors affecting the selection of Advertising Media Presentations
15	Evaluation of Advertising Effectiveness, Sales Promotion, Revision

## **Government PG College for Women, Rohtak**

### **Lesson Plan -Session 2021- 2022**

**Teacher's Name: Dr. Renu**

**Subject: Human Resource Management**

**Class: M.Com 4th Semester**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
1	Week 1	Human Resource Management- An Introduction, Nature, Features, Scope, Objectives and importance of Human Resource Management
2	Week 2	Functions of Human Resource Management- Managerial and Operative, Functions; Qualification and Qualities of Human Resource Manager in an Organisation
4	Week 3	Evolution and growth of Human Resource Management in India, Recent Techniques in Human Resource
6	Week 4	Workers Participation in management (W.P.M): Concept, Need, Objectives and Forms of W.P.M, Prerequisites of effective participation, Evaluation of the scheme of W.P.M.,
7	Week 5	Essential features, Functions and progress of Joint Management Councils in India
9	Week 6	Presentations Causes of failure of Joint Management Councils, Trade Unions: Concept, Need, Functions and Objectives of Trade Unions
11	Week 7	Origin, Growth and development of Trade Unions in India, Channel structure and selection decisions
12	Week 8	Difficulties and Principal drawbacks of Trade Unions movement in India. Collective Bargaining: Concept, nature, Scope and functions of Collective Bargaining in India, Class test
13	Week 9	Essentials for the success of collective Bargaining in India. foreign sales agents, Basic export procedure and documentation

14	Week 10	Employee Morale: Concept, Nature and significance of morale, Determinants of morale and measurement of morale. Discussion on How to attempt the paper
15	Week 11	Productivity: Concept and significance of Productivity, Presentations
16	Week 12	Measurement of Productivity, Factors influencing Industrial productivity, measures to improve productivity
17	Week 13	relationship between morale and productivity.
18	Week14	
19	Week15	Revision

#### Lesson Plan

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-2022 Semester: Even

Teacher's Name: Nirmala Soni

**Subject: Financial Management**

Class: B.Com 3Year Sec:A

Section:

Week of Month	Topics to be Covered	Assignments,
<b>Presentation and Test etc.</b>		
Week 1	Introduction of Financial Management	
Week 2	Nature and Scope of Financial Management	
Week 3	Management of Working Capital	
Week 4	Management of Marketing Securities	
Week 5	Management of Receivables	
Week 6	Cost of Capital	Class Test of
Unit 1		
Week 7	Cost of Capital	Presentations
Week 8	Capitalisation	Presentations
Week 9	Leverage	Presentations
Week 10	EBIT-EPS Analysis	Presentations
Week 11	Capital Structure	Class Test of
Unit 2		
Week 12	Capital Structure	Presentations
Week 13	Dividend Policy	Presentations
Week 14	Dividend Policy	Class test of
Unit 3		
Week 14	Management of Working Capital	Discussion on
topics of assignment		
Week 15	Revision	

Lesson Plan

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-2022 Semester: ODD

Teacher's Name: Nirmala Soni

Subject: Human Resource Management

Class :Bcom Hons. 6th sem

Week

1	Human Resource Management
2	Total Quality Management

3 Business Process Reengineering



4	Human Resource Planning
5	Recruitment and Selection
6	Traning
7	Management Development
8	Wages and Theories of Wages
9	Methods of Wage Payment
10	Concepts OF Wages
11	Special Incentives
12	Human Resouece Development
13	Role and Function of HR Manager
14	Industrial Relationship
15	Industrial Disputes

## Lesson Plan

Name of College: Govt. PG College for Women, Rohtak

Academic Session: 2021-2022 Semester: Even

Teacher's Name: Nirmala Soni

**Subject: Marketing Management**

Class :Bcom Pass 4th sem sec A&D

Section:

Week of Month etc.	Topics to be Covered	Assignments, Presentation and Test
Week 1	Marketing Concepts	
Week 2	Marketing Management	
Week 3	Market Segmentation	
Week 4	Consumer Behaviour	
Week 5	Consumer Behaviour	
Week 6	Product Planning and Development	Class Test of Unit 1
Week 7	New Product Development Process	Presentations
Week 8	Product Concept and Strategy	Presentations
Week 9	product Life Cycle	Presentations
Week 10	Branding, Pacakaging, Labelling	Presentations
Week 11	Product Pricing	Class Test of Unit 2
Week 12	Advertising	Presentations
Week 13	Advertising Media	Presentations
Week 14	Sales Promotion	Class test of Unit 3
Week 15	Publicity and Public Relation	Discussion on topics of assignment

**Government PG College for Women, Rohtak**

**Lesson Plan Session 2021-2022 Even Sem**

**Teacher's Name: Dr. Renu, Ms. Pooja Rani**

**Subject: International Marketing**

**Class: B.Com 6th Semester (Sec. A, B & C)**

Week of the Month etc.	Topics to be Covered	Assignments, Presentation and Test
1	International Marketing:	
Nature and Concept		
2	Domestic Vs International Marketing	
3	Opportunities and Challenges for marketing in International Environment	
4	Foreign market selection and entry modes	Presentations
5	Product Planning and Pricing	Presentations
6	International product life cycle research and informations	Class Test of Unit 1
7	Product designing and packaging	Presentations
8	Pricing process	Presentations
9	Pricing methods	Presentations
10	International price quotations and payment terms	Presentations
11	International Distribution:	
Channel structure and selection decisions		Presentations

12	Managing channel conflicts, Web marketing; Organising trade fairs and exhibitions	
	Presentations	
13	Selection and appointment of	
foreign sales agents, Basic export procedure and documentation		Class test of Unit 2
14	Product Promotion: challenges in International advertising and media strategy	
Methods of International product Promotion		Discussion on topics of assignment
15	Revision	Discussion on How to attempt the
paper		

**Government PG College for Women, Rohtak**

**Lesson Plan Session 2021-2022 Even Sem**

**Teacher's Name: Ms. Pooja Rani**

**Subject: International Marketing**

**Class: M.Com 4th Semester**

<b>Week of the Month and Test etc.</b>	<b>Topics to be Covered</b>	<b>Assignments, Presentation</b>
1	Introduction to International Marketing: Nature and significance; Complexities in international	
marketing		
2	Transition from domestic to transnational marketing, International market orientation – EPRG	
framework,		
3	International market entry strategies, External environment -geographical	
4	International Marketing Environment: Internal environment, political and legal environment,	
demographic, economic, socio-cultural		Presentations
5	Foreign Market Selection: Global market segmentation, Impact of environment on	
international marketing decisions		Presentations
6	International Marketing Planning, Organising and Control, Selection of foreign markets;	
international positioning	Class Test of Unit 1	
7	Issues in international marketing planning; International marketing information system,	
Information technology and		
international marketing;	Presentations	
8	Organising and controlling International marketing operations, Emerging Issues and	
developments in international marketing, Ethical and social issues		Presentations
9	International marketing of services, Impact of globalisation,	Presentations
10	Product Decisions: Product planning for global markets; Standardization vs.	
product adaptation	Presentations	
11	New product development; Management of international	
brands	Presentations	
12	Packaging and labeling; Provision of sales related services	Presentations
13	Pricing Decisions: Environmental influences on pricing decisions, nternational	
pricing policies and strategies	Class test of Unit 2	
14	Promotion Decisions: Complexities and issues	Discussion on topics of
assignment		
15	International advertising, personal selling	Discussion on How to attempt
the paper		
16	sales promotion and public relations	

**Government PG College for Women, Rohtak**

**Lesson Plan for Academic Session 2021-22(Even Sem.)**

**Teacher's Name: Preeti Bansal**

**Secretarial Practices**

**B.com(Pass)4th sem.**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
1	Week 1	Meaning, definitions, functions, duties of Company Secretary
2	Week 2	Responsibilities, powers, appointment, procedure
3	Week 3	Qualifications and disqualifications; position
4	Week 4	Circular flow of money and importance of money
5	Week 5	Removal of secretary.

6	Week 6	Duties of Secretary regarding formation of M/A
7	Week 7	Duties of secretary regarding issue of share certificate,
8	Week 8	Written test & presentations
9	Week 9	Share warrant and share stock, calls-in-arrear, forfeiture and re-issue of shares, transfer & transmission of shares.
10	Week 10	Duties of Secretary regarding meetings
11	Week 11	Requisites of a valid Meeting
12	Week 12	Assignment, Presentation and Group Discussion
13	Week 13	Secretarial duties regarding meetings of shareholders
14	Week 14	Meetings of Board of directors, voting and proxy & Viva-Voce
15	Week 15	Company Secretary and motion and Resolution

### **Government PG College for Women, Rohtak**

#### **Lesson Plan for Academic Session 2021-22(Even Sem.)**

**Teacher's Name: Preeti Bansal**

#### **Business Environment**

#### **B.com(Pass)2nd Sem.(Sec.A&D)**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
1	Week 1	Introduction to syllabus, Meaning and Characteristics of Business Environment
2	Week 2	Components And Current Business Environment
3	Week 3	Analysis and importance of Business Environment
4	Week 4	SWOT Analysis, ETOP Analysis
5	Week 5	Trends in National Income, Trends in Saving and Investment
6	Week 6	Trends in saving and investment, trends in Industrial Development
7	Week 7	Balance of Trade and BOP
8	Week 8	Regional Imbalances, Parallel Economy
9	Week 9	Monetary Policy
10	Week 10	Privatisation in India
11	Week 11	Industrial Sickness,
12	Week 12	Unemployment Problem in India
13	Week 13	Industrial Policy
14	Week 14	Fiscal Policy
15	Week 15	Presentation, Assignment & PPT

### **Government PG College for Women, Rohtak**

#### **Lesson Plan for Academic Session 2021-22(Even Sem.)**

**Teacher's Name: Preeti Bansal**

#### **Corporate Tax Planning & Mgt.**

#### **M.com(4th Sem.)**

<b>Sr. No.</b>	<b>Time Period</b>	<b>Topics to be Covered</b>
1	Week 1	Meaning of Corporate tax, Tax evasion, Tax avoidance, Tax planning,
2	Week 2	Tax mgt., Need for tax planning, Precautions, Limitation
3	Week 3	Tax planning with reference to location, nature
4	Week 4	Different forms of organization of new business.. Tax Planning
5	Week 5	Tax provisions relating to free trade zones, infrastructure sector, backward areas,
6	Week 6	Tax issues relating to amalgamations
7	Week 7	Tax Planning relating to capital structure decisions
8	Week 8	Dividend policy, Inter corporate Dividends, Bonus share & debentures
9	Week 9	Tax planning in respect of own or lease.
10	Week 10	Tax planning in respect of sale of assets used for scientific research, Make or buy decisions, Repair replace
11	Week 11	Repair replace, Renewal or renovation of an asset, Shut down/continue
12	Week 12	Tax planning in respect of selling in domestic or foreign market Tax planning in respect of Tax Incentives to Exporter
13	Week 13	Tax planning regarding Managerial Remuneration.

14 Week 14 Renewal or renovation of an asset, Shut down/continue

15 Week 15 Presentation & Assignment, PPT

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: Statistical Analysis Using MS-Excel Name of Assistant Professor: Dalip Kaur

Class: B.Com. (H) 4th sem

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Introduction to syllabus, Data Collection, Experiments and surveys, Collection of Data Oral Test
Week 2	Selection of appropriate methods of data collection, data preparation process, missing values and outliers
Week 3	Descriptive statistics and steps involved in calculating of descriptive statistics in MS-Excel
Week 4	Descriptive statistics and steps involved in calculating of descriptive statistics in MS-Excel
Revision Unit-1	
Week 5	Presentations
Week 6	Sampling and statistical inference- parameter and statistic, sampling and non-sampling errors
Test Unit-1	
Week 7	Sampling and statistical inference- parameter and statistic, sampling and non-sampling errors
Week 8	sampling distribution of mean and proportion Presentations
Week 9	sampling distribution of mean and proportion Oral Test
Week 10	Degree of freedom, standard error, central limit theorem
Week 11	Testing of hypothesis Presentations
Week 12	Procedure for hypothesis testing for mean, proportion and variance Test Unit-2
Week 13	Chi-square test and Analysis of Variance Test Unit-3
Week 14	An introduction to SPSS. Test Unit-4
Week 15	Revision
	Viva-Voce

Name of College: Govt. College for Women, Rohtak

Academic Session: 2021-22 Semester: EVEN

Subject: Management Accounting Name of Assistant Professor: Dalip Kaur

Class: M.Com (P)

Week of Month Topics/Chapters to be covered

Week 1	Introduction to syllabus, Concept and introduction, nature and scope
Week 2	Financial accounting, Cost A/Cing, Management A/Cing
Week 3	Techniques, scope, Utility, Essentials and limitation of Management A/Cing
Week 4	Management accountant: Position, role & responsibility, Budgetary Control
Week 5	Classification of Budget, Different types of Budget
Week 6	Performance budget, Zero Base budgeting
Week 7	Lease Financing
Week 8	Lease Financing
Week 9	Value Chain Analysis
Week 10	ABC Costing
Week 11	Quality Costing, Target and life cycle Costing
Week 12	Decision involving alternate choices
Week 13	Decision making, Responsibility A/Cing, Reporting to management
Week 14	Revision and discussion
Week 15	problem session

Name of College: Govt. College for Women, Rohtak

Academic Session: 2020 - 2021 Semester: EVEN

Subject: Business Law Name of Assistant Professor: Dalip Kaur

Class: B.Com (H) 2nd sem

Week of Month Topics/Chapters to be covered Topics of Assignment/ Tests given/ to be given to the students

Week 1	Indian Partnership Act 1932: An overview
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Week 2	Indian Partnership Act 1932: An overview Continued...	Oral Test
Week 3	Registration of Firm	Presentation
Week 4	Dissolution of partnership firm	Test Unit-1
Week 5	Dissolution of partnership firm continued..	Presentation
Week 6	FEMA 1999	
Week 7	FEMA 1999 Continued...	Oral Test
Week 8	Industrial dispute Act, 1947	Presentations
Week 9	Industrial dispute Act, 1947 continued...	Test Unit-2
Week 10	The factories Act, 1948	Test Unit-3
Week 11	Revision and discussion	Presentations
Week 12	problem session	

### **Government PG College for Women, Rohtak**

#### **Lesson Plan -2021-22**

**Teacher's Name: Ms Savita, Ms Pooja Rani**

**Subject: Financial Management**

**Class: B.Com (P) VI Semester (B, C)**

<b>Weeks</b>	<b>Topics to be Covered</b>	<b>Assignments, Presentation and Test etc.</b>
1	Introduction of Financial Management	
2	Meaning, Nature and Objectives	
3	Importance , function and Difference between FM and FA	
4	Revision and test	Class Test
5	Meaning, Nature of working capital, Types of working capital	
6	Analysis of working capital, Working capital forecasting techniques	Class Test
7	Meaning, nature of capital structure	
8	Theories of capital structure and practical questions	
9	Management of cash and marketable securities, Mgt of receivables	
10	Cost of capital	
11	Capitalisation and leverage	Class Test
12	EBIT-EPS Analysis	
13	Issues in Dividend Policies	Assignments
14	Considerations in dividend policy	
15	Stability of dividends, Forms of dividend	

### **Government PG College for Women, Rohtak**

#### **Lesson Plan 2021-22 Even Sem.**

**Teacher's Name: Dr. Sonia**

**Retail Management & Sales Procedure**

**B.com(Hons.) 6th Sem.**

**Paper Code: BCH 6.06**

<b>Week of the Month</b>	<b>Topics to be Covered</b>	<b>Assignment/ Presentation/ GD/ Tests</b>
1	Introduction: Meaning, nature, scope, importance, growth and present size. Career option in retailing;	
2	Technology induction in retailing; Future of retailing in India.	
3	Types of Retailing: Stores classified by owners; Stores classified by merchandising categories; Wheel of retailing;	
4	Traditional retail formats vs. modern retail formats in India; Store and non-store based formats;	
5	Cash and carry business - Meaning, nature and scope; Retailing models – Franchiser franchisee, directly owned;	
6	Wheel of retailing and retailing life cycle; Co-operation and conflict with other retailers	Assignment- 1

7	Management of Retailing Operations: Retailing management and "the total performance model;	
8	Test-1	
9	Functions of retail management; Strategic retail management process.	
10	Retail planning: importance and process; Developing retailing strategies, objectives, on plans, pricing strategies and location strategies.	
11	Presentation	Assignment-2
12	Presentation	Test-2
13	Presentation	
14	Revision	
15	Revision	

**Government PG College for Women, Rohtak**

**Lesson Plan 2021-22 Even Sem.**

**Teacher's Name: Dr. Sonia**

**Business Ethics**

**B.com(Hons.)4th Sem.**

**Paper Code: BCH 4.02**

<b>Week of the Month</b>	<b>Topics to be Covered</b>	<b>Assignment/ Presentation/ GD/ Tests</b>
1	Thinking conceptually about Politics: Liberty, Equality, Justice, Rights and Recognition,	
2	The idea of a good society. Concept of Business Ethics, Domain of Politics and ethics	
3	Democracy and Welfare State	
4	Market and Globalization	
5	Approaches to Moral Reasoning: Consequentialism	
6	Deontology, Teleological reasoning. Assignment- 1	
7	Politics and Ethics in Business: Corporate Code of Ethics a) Environment	Test-1
8	Accountability, Responsibility, Leadership, Diversity	
9	Corporate Social Responsibility	
10	CSR: continue	
11	Corruption, corporate scandals, whistle blowing, insider trading Discrimination	
	Assignment-2	
12	Gender Sensitization	Test-2
13	Revision	
14	Revision	
15	Revision	

**Government PG College for Women, Rohtak**

**Lesson Plan 2021-22 Even Sem.**

**Teacher's Name: Dr. Sonia**

**Business Research Methods**

**M. Com. 4th Sem.**

**Paper Code: 17MCO24C3**

<b>Week of the Month</b>	<b>Topics to be Covered</b>	<b>Assignment/ Presentation/ GD/ Tests</b>
1	Introduction to Business Research: Defining Research; Types of Research-Basic and Applied Research; Process of Research; Features of a Good Research Study;	
2	Applications in Business Decisions, Formulation of the Research Problem and Development of the Research Hypotheses: Problem Identification and definition;	
3	Process of Problem Identification; Developing a research proposal; Formulation of the Research Hypotheses	
4	Research Design: The Nature of Research Designs; Process of Formulation of Research Design; Classification of Research Designs: Exploratory, Two-tiered, Experimental and Descriptive	

5	Research Design for Hypothesis Testing or Experimental Research Studies: Concept and Classification of Experimental Designs;
6	Validity in Experimentation; Factors affecting Internal Validity of Experiment; Factors affecting External Validity of Experiment; Assignment- 1 and Research Proposal
7	Methods to Control Extraneous Variables and Environments of Conducting Experiments, Data Collection Methods: Classification of Data; Research Applications of Secondary and Primary Data; Secondary data sources and usage; Online data sources;
	Test-1
8	Qualitative Method of Data Collection: observation method, Content Analysis, Focus Group Method, Personal Interview Method and Projective Techniques; Primary data collection methods, questioning techniques, online surveys; Questionnaire Design Procedure. Presentations
9	Sampling Plan: Universe, Sample vs Census; Sample Frame and Sampling Unit; Sampling Design; Sampling Techniques; Sample size Determination; Sampling and Non-Sampling Errors Presentations
10	Report Writing: Meaning, Functions and Types of Research Report, Steps of Planning Report Writing, Research Report Structure, Principles of Writing,
11	Guidelines for Effective Documentation, Writing and Typing the Report, Research Briefings: Oral Presentation. Research Paper and Assignment-2
12	Presentation of Results: Descriptive Presentation, Graphic Presentation, Diagrams, Pictures and Maps, Tabular Presentation, Difficulties in Presentation Presentations and Test-2
13	Case study
14	Case study
15	Case study

## **Government PG College for Women, Rohtak**

### **Lesson Plan 2021-22 Even Sem.**

**Teacher's Name: Dr. Sonia**

**Communication & Soft Skills**

**M.Com 2nd Sem.**

**Paper Code: 16IMSF2**

### **Week of the Month**

1	Communication Skills - Concept, characteristics and process of communication; 7C's of communication
2	listening skills, verbal communication, non-verbal communication,
3	body language, art of meeting and greeting, making effective conversation
4	Presentation Skills - Difference between speech and presentation, handling of presentation audience questions,
5	holding meetings, group discussion and interviews; structuring a presentation,
6	delivering the presentation; situational presentation
7	Behavioral Skills - Positive attitude, self-management,
8	problem solving skills, time management skills, anger management,
9	coping skills, assertiveness team building skills
10	Business Etiquette - Business dress and grooming,
11	office courtesies, etiquette for special occasions
12	meeting etiquette, dining etiquette
13	Presentation
14	Presentation
15	Presentation

## **Government PG College for Women, Rohtak**

### **Lesson Plan from 21st March 2022 to 30th June 2022**

**Teacher's Name: Parmod Kumar**

## Subject: Corporate Law-II

Sr. No.	Week	Topics to be Covered	
		<b>Assignments, Presentation and Test etc.</b>	
1	1st	Shares: -; Types of shares; Allotment of Shares; Transfer and Transmission of shares	
2	2nd	Share capital: - Meaning and forms of capital; Alteration of share capital; Reduction of share capital	
3	3rd	Further issue of share capital; Rights of pre-emption of shares. Shareholders and Members: - Difference between Shareholders and members	
4	4th	Modes of acquiring membership; termination of membership; who may be members? Rights and Liabilities of members	
5	5th	Meeting of Company: - Essentials of valid meeting	
6	6th	meetings of Shareholders: - Annual general meeting; Extra-ordinary general meeting; meetings of board of directors	
7	7th	Class test Proxy; Voting, Notice, Agenda and Minutes of meetings	
		Assignment/Presentation- I	
8	8th	Directors: - Duties, Powers	
9	9th	Directors: - Liabilities, Appointment and removal of directors	
10	10th	Winding Up: - Meaning; Winding up by the Tribunal-Petition for winding up	
		Assignment/Presentation- II	
11	11th	Voluntary winding up; Powers and Duties of company Liquidator	
12	12th	Consequences of winding up	Class test
13	13th	Depository System –meaning and importance	
14	14th	Paperless Trading – Benefits and Procedure; Need for educating investors	Final Class
Test			
15	15th	Revision	

**Government PG College for Women, Rohtak**

**Lesson Plan from 21st April to 30th June 2021**

**Teacher's Name: Parmod Kumar**

**Subject: Financial Management**

**Class: M.Com 2nd Semester**

Sr. No.	Week	Topics to be Covered	
		<b>Assignments, Presentation and Test etc.</b>	
1	1st	Financial Management: Introduction, Meanings and Definitions, Goals of Financial Management, Finance Functions, Interface between Finance and Other Business Functions,	
2	2nd	Financial Planning: Introduction, Objectives, Benefits, Guidelines, Steps in Financial Planning, Factors Affecting Financial Planning, Estimation of Financial Requirements of a Firm, Capitalization.	
3	3rd	Time Value of Money: Introduction, Rationale, Future Value, Present Value, Construction of Present Value Tables and Annuity Tables. Cost of Capital: Introduction, Meaning of Cost of Capital, Cost of Different Sources of Finance, Weighted Average Cost of Capital.	
4	4th	Leverage: Introduction, Operating Leverage, Application of operating leverage, Financial Leverage, Combined Leverage. Capital Structure: Introduction, Features of an Ideal Capital Structure, Factors Affecting Capital Structure, Theories of Capital Structure.	
5	5th	Dividend Decisions: Introduction, Traditional Approach, Dividend Relevance Model, Miller and Modigliani Model, Stability of Dividends, Forms of Dividends.	
6	6th	Capital Budgeting: Introduction, Importance of Capital Budgeting, Complexities Involved in Capital Budgeting Decisions, Phases of Capital Expenditure Decisions,	
7	7th	Identification of Investment Opportunities, Rationale of Capital Budgeting Proposals, Capital Budgeting Process, Investment Evaluation,	
8	8th	Appraisal Criteria for Capital Budgeting Decision	Class test
9	9th	Risk Analysis in Capital Budgeting : Introduction, Types and Sources of Risk in Capital Budgeting, Risk Adjusted Discount Rate, Certainty Equivalent Approach, ,	
		Assignment/Presentation- I	



10	10th	Probability Distribution Approach, Sensitivity Analysis, Simulation Analysis, Decision Tree Approach. Capital Rationing: Introduction, Types, Steps Involved in Capital Rationing	
	11th	Various Approaches to Capital Rationing.	Class test
	12th	Corporate Restructuring: Mergers and Acquisitions, Take Overs, Amalgamation	
		Assignment/Presentation- II	
	13th	Leverage Buy-outs, Management Buy Out Financial Restructuring: Share Split, Consolidation, Cancellation of Paid Up Capital, Corporate Failures and Liquidations	
	14th	Numerical Problems solving	Final Class
Test			
	15th	Revision and Clearance of Doubts	

## Government PG College for Women, Rohtak

### Lesson Plan for Even Semester of Session 2021-22

Name of Teacher: Parmod Kumar & Savita

Sub:- Fundamental of Management

Paper Code: 161MSO1

Class: M.Com 1st Sem

Section:

Week	Topic	Assignments, Presentation and Test etc.
1	Business: concept, nature of Management	
2	Evolution of Management Thoughts- Traditional, behavioural system	
3	Evolution of Management Thoughts- Contingency Viewpoint	
4	Nature and elements of planning, planning types and models	
5	Test, Presentation/Assignment	Test, Presentation/Assignment
6	strategic planning-an overview, basic issues in organising - work specialization, Chain of common delegation	
7	Decentralisation, Span of Management, Bases for departmentation	
8	Leading: recognition of human factor, motivation models/approaches	
9	Test, Presentation/Assignment	Test, Presentation/Assignment
10	Leadership style/behaviours, personal characteristics of effective leaders, leadership development	
11	Management control-concept and process, overview of control techniques	
12	Effective control system and evaluating corporate social performance	
13	Managing company ethics and social responsibility	
14	Test, Assignments and Revision	Test, Assignment and Revision
15	Revision and Doubt Clearance	

Name of College: Govt. P.G. College for Women, Rohtak

Academic Session: 2022 Semester : EVEN

Subject: Basics of Computer-II, Name of Teacher : Mr. Ram Niwas

Class: B.Com-1 (2nd. Semester) Section : A, B, C, D.

Week of Month.	Topics/Chapters to be covered.	Topics of Assignments/Tests
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Week-1	Fundamentals of Computer	
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Week-2	Continued	
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Week-3	Applications of Computer	
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Week-4	Continued	
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Week-5	Computer Software	
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Week-6	Continued	Test of Software
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Week-7	Operating System	
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Week-8	Continued	
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Week-9	Windows	
Week-10	Continued	
Week-11	Windows-7	Test of Window
Week-12	Continued	
Week-13	Microsoft Excel	Oral Test
Week-14	Continued	Test of Excel
Week-15	Revision	

### **Lesson Plan**

**Name of College: Govt. PG College for Women, Rohtak**

**Academic Session: 2021-22 Semester: Even**

**Subject: Auditing Name of Lecturer: Ms Savita**

**Class: B.Com. 6th Sem. Sec. B & C**

**Week of Month Topics/Chapters to be covered  
Assignments, Presentation and Test etc.**

Week 1	Introduction to the subject, meaning and objectives of auditing	
Week 2	Importance, limitations and Types of audit	
Week 3	Types of Audit, Audit Process and Program	Class Test
Week 4	Internal Control and Internal Check	
Week 5	Internal Control and Internal Check, Internal Audit	
Week 6	Routine Checking and vouching	Class Test
Week 7	Verification of Assets and Liabilities	
Week 8	Valuation of Assests	
Week 9	Appointment of Auditor Power,Duties and Liabilities of Auditor	
Week 10	Depreciation, Provisions and Reserves	ClassTest
Week 11	Depreciation, Provisions and Reserves	
Week 12	Audit Report	
Week 13	Investigation	
Week 14	Revision and Presentations	
Week 15	Viva	

## Lesson Plan

**Name of College:** Govt. P.G. College for Women, Rohtak

**Academic Session:**2021-22      **Semester:** Even

**Name of the Lecturer:** Ms Savita

**Subject:** Cost Accounting Standards and Financial Reporting

**Class:** M.Com 4th Sem

**Week of the Month Topics to be Covered Assignments, Presentation and Test etc.**

Week 1	Institute of Cost Accounts of India: Introduction, Meaning, Concept and history	
Week 2	Cost Accounting Standard Board: Introduction and origin, objectives and functions.	
Week 3	Generally Accepted Cost Accounting Principles: introduction, objectives, scope, nature of content and format	
Week 4	Conceptual framework of GACAP and its applicability, Cost Accounting Standards (CAS): need and statutory recognition of CAS.	
	Overall recommendations of B. B. Goyal expert committee.	
Week 5	Outlines of CAS: Classification of cost (CAS-1), Overheads (CAS-3), Material cost (CAS-6), Employee cost (CAS-7),	Class Test
Week 6	Direct expenses (CAS-10), Administrative Overheads (CAS-11), Repairs and Maintenance Cost (CAS-12), Cost of Service Cost Center (CAS-13)	Presentations
Week 7	Selling and Distribution Overheads (CAS-15)	
	Depreciation and Amortization (CAS-16), Research and Development Costs (CAS-18), Joint Costs (CAS-19)	Class Test
Week 8	Capacity Determination (CAS-2), Cost of Production for Captive Consumption (CAS-4), Determination of Average Cost of Transportation (CAS-5), cost of utilities (CAS-8)	Presentations
Week 9	Packing Material Cost (CAS-9), Pollution Control Cost (CAS-14): Introduction, objectives, assignment of cost, presentation and disclosure of CAS-14	
	Class Test	
Week 10	Interest and Financing Charges (CAS-17): Introduction, objectives, scope, definition and explanation of terms used, principles of measurement, assignment of cost, presentation and disclosure of CAS-17,	
	Royalty and Technical Know – How (CAS-20)	Presentations
Week 11	Quality control (CAS-21), Manufacturing cost (CAS-22), Latest amendments and development in CAS	Presentations
Week 12	Cost auditor – (Appointment, Eligibility, Remuneration, Rights and Responsibilities, Functions, Appointing Authorities)	
Week 13	Cost Audit: meaning, concept, objectives, nature, scope, advantages of Cost Audit, Genesis of Cost Audit in India, types of Cost Audit, relevance of Cost Audit, usefulness of Cost Audit, Difference between Cost Audit and Cost Investigation. Class Test	
Week 14	(Cost Auditing Standard -101): Planning on Audit of Cost Statements, (CAS-102): Cost Audit Documentation, (CAS-103): Overall Objectives of Independent Cost Auditor	Presentations
Week 15	Companies (Cost Records and Audit) Rules 2014	

**Name of College:** Govt. College for Women, Rohtak

**Academic Session:** 2021-22 Semester: Even

**Subject:** Business Statistics Name of Lecturers: Ms. Bhumika Gupta

**Class:** B.Com. Hons. 2nd Sem.

Week of Month	Topics/Chapters to be covered	Topics of Assignment/ Tests given/ to be given to the students
Week 1	Correlation	
Week 2	Continue.....	
Week 3	Regression	Test of Correlation

Week 4	Continue.....
Week 5	Time Series-I
Week 6	Time Series-II
Week 7	Assignment on Time Series Probability Distribution-Binomial
Week 8	Probability Distribution-Poisson
Week 9	Continue.....
Week 10	Probability Distribution-Normal Assignment on Normal Distribution
Week 11	Continue.....
Week 12	Statistical Quality Control
Week 13	Continue.....
Week 14	Statistical Decision Theory
Week 15	Revision

# Lesson Plan of Hindi Department

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बीए द्वितीय वर्ष हिंदी ऑनर्स पार्थ सेम	HI-09	आत्मकथा तथा संस्मरण	हरिवंश राय बचन का जीवन परिचय एवं साहित्य परिचय एवं हरिवंश राय बचन की आत्मकथा 'क्या भूलूँ क्या याद करूँ' का संक्षिप्त परिचय आत्मकथा की लेखन परंपरा।	क्या भूलूँ क्या याद करूँ आत्मकथा का बचन पाठन एवं उद्देश्य।	। आत्मकथा का बचन पाठन एवं आत्मकथा का उद्देश्य।	आत्मकथा का बचन पाठन 'आत्मकथा के तत्वों के आधार पर' क्या भूलूँ क्या याद करूँ 'आत्मकथा की समीक्षा।	आत्मकथा का बचन पाठन 'आत्मकथा और जीवनी में अंतर।	आत्मकथा का बचन पाठन 'आत्मकथा में वर्णित समस्याओं का चित्रण।	आत्मकथा का बचन पाठन हरिवंश राय बचन की भाषा शैली	आत्मकथा का बचन पाठन 'आत्मकथा में चित्रित प्रमुख पात्रों जैसे राधा , प्रताप नारायण, नायक साहब , भोलानाथ , मोहनलाल , भगवान देवी, चंचा, महारानी , श्यामा , बुद्धि , तुलसी का घरिब चित्रण।	महादेवी वर्मा का जीवन परिचय व साहित्यिक परिचय 'महादेवी वर्मा द्वारा रचित 'पथ के साथी' संस्मरण के अंतर्गत मैथिलीशरण गुप्त के जीवन से संबंधित महत्वपूर्ण विशेषताओं को उजागर करने वाला संस्मरण 'दूढ़ा' का बचन पाठन व संस्मरण पर आधारित प्रश्न उत्तर।	महादेवी वर्मा द्वारा विरचित संस्मरण निराला बाई, 'प्रसाद का बचन पाठन, संस्मरण पर आधारित प्रश्न उत्तर महादेवी वर्मा के संस्मरण की विशेषताएं।	महादेवी वर्मा द्वारा रचित संस्मरण 'सियारामश रण गुप्त का बचन पाठन , संस्मरण पर आधारित प्रश्न उत्तर।	हरिवंश राय बचन द्वारा रचित 'क्या भूलूँ क्या याद करूँ' आत्मकथा की सप्रसंग व्याख्या सहित।	महादेवी वर्मा द्वारा रचित संस्मरण 'पथ के साथी' सप्रसंग व्याख्या सहित।	
कला स्नातक तृतीय वर्ष	HI-16	विशिष्ट कवि: सूरदास	पाठ्यक्रम संबंधित जानकारी प्रदान करना। सूरदास के जीवन से संबंधित जानकारी प्रदान करना।	पद संख्या 21 से 39 तक सप्रसंग व्याख्या।	पद संख्या 36 से 45 तक सप्रसंग व्याख्या।	पद संख्या 46 से 60 तक सप्रसंग व्याख्या।	पद संख्या 61 से 75 तक सप्रसंग व्याख्या।	पद संख्या 76 से 90 तक सप्रसंग व्याख्या।	पद संख्या 91 से 105 तक सप्रसंग व्याख्या।	पद संख्या 106 से 121 तक सप्रसंग व्याख्या।	पद से संबंधित मौखिक एवं लिखित परीक्षा।	सूरदास का युग से संबंधित आलोचना त्मक प्रश्न, सूरदास के जीवन से संबंधित जानकारी एवं सूरदास का साहित्य से संबंधित आलोचना त्मक प्रश्न।	सूरदास की गीतों योजना एवं काव्य भाषा से संबंधित आलोचना त्मक प्रश्न।	सूरदास के प्रकृति चित्रण से संबंधित आलोचना त्मक प्रश्न। तथा शृंगार वर्णन से संबंधित आलोचना त्मक प्रश्न।	सूरदास का वात्सल्य वर्णन एवं भक्ति भावना तथा दार्शनिक चेतना से संबंधित आलोचना त्मक प्रश्न।	पुनरावृत्ति एवं मौखिक व लिखित परीक्षा।
बी ए तृतीय हिंदी ऑनर्स	HI-20	विकल्प 2नाटककार जयशंकर प्रसाद परिचय	विषय परिचय , जयशंकर प्रसाद परिचय	ध्रुवस्वामिनी परिचय , सार व्याख्या	ध्रुवस्वामिनी व्याख्या	ध्रुवस्वामिनी आलोचना त्मक प्रश्न	ध्रुवस्वामिनी के लघु प्रश्न एवं वस्तुनिष्ठ प्रश्न	अजातशत्रु परिचय एवं व्याख्या	अजातशत्रु व्याख्या	अजातशत्रु व्याख्या	अजातशत्रु आलोचना त्मक प्रश्न	अजातशत्रु लघु एवं वस्तुनिष्ठ प्रश्न	अजातशत्रु मौखिक परीक्षा	परियोजना एवं लिखित परीक्षा	पुनरावृत्ति	पुनरावृत्ति
B.A.Hindi hons.	HI-14	निबंध लेखन	समाज और साहित्य साहित्यिक निबंध, समाज की जानकारी साहित्य की जानकारी, समाज और साहित्य में संबंध, राष्ट्रभाषा हिंदी	राष्ट्रभाषा हिंदी समस्याएं और उसके समाधान, भक्तिकाल की जानकारी का परिचय , तुलसीदास लोक नायक के रूप में	कबीरदास का परिचय, कबीरदास समाज सुधारक के रूप में तुलसीदास का परिचय , तुलसीदास लोक नायक के रूप में	पुनरावृत्ति, लिखित परीक्षा, भक्ति काल स्वर्ण युग, भक्ति काल के प्रमुख कवियों का विवरण भक्ति काल के कवियों की समन्वय भावना,	अहिंसा परमोधर्म सूक्ति पर एक निबंध, नर हो न निराश करो मन को निबंध	दादा ना भैया सबसे बड़ा रुपैया, जहां चाह वहां राह सूक्ति परक निबंध	मौखिक परीक्षा परहित सरिस धर्म नहिं भाई सूक्ति परक निबंध	पुनरावृत्ति लिखित परीक्षा , छायावाद की जानकारी, छायावाद की परिभाषाएं छायावाद के प्रमुख कवियों का विवरण	छायावाद की विशेषताएं , प्रगतिवाद की जानकारी , प्रगतिवाद के प्रमुख कवियों का विवरण प्रगतिवाद की विशेषताएं	परहित सरिस धर्म नहिं भाई सूक्ति पर एक निबंध, मजहब नहीं सिखाता आपस में बैर रखना निबंध	जियो और जीने दो, निज भाषा उन्नति अहं सब उन्नति को मूल सूक्ति परक निबंध	पुनरावृत्ति, मौखिक परीक्षा , लिखित परीक्षा, प्रयोगवाद की जानकारी, प्रयोगवाद के प्रमुख कवियों का परिचय	प्रयोगवाद की प्रमुख विशेषताएं देव देव आलसी पुकारा, रहस्यवाद की जानकारी, रहस्यवाद की परिभाषाएं	रहस्यवाद के प्रमुख कवियों का परिचय, रहस्यवाद की विशेषताएं , श्रष्टाधार कारण निवारण हिंदी का विवरणापी स्वरूप