

### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Dr. Sucheta Sani, Ms Himanshi Jain
Class with sem :	B.Com 1st year 1st Sem
Subject / Paper :-	Fundamentals of Computer

Week	Topics
2 Nov to 7 Nov	Introduction of Computer, Organisation
9 Nov to 14 Nov	Characteristics of Computer, types of Computer,
16 Nov to 21 Nov	Type of memory, Hardware and Software Concepts.
23 Nov to 28 Nov	Test of Unit 1 Operating System. Introduction of O.S, Types of OS
30 Nov to 5 Dec	Function of O.S, MS-DOS Internal Commands :- cd, dir, cd, path, pwd
7 Dec to 12 Dec	label, wr, boot, echo, set. External Commands:- Scandisk, <del>to</del> diskcopy, diskcomp
14 Dec to 19 Dec	format, backup, restore, Windows Explorer. Print manager, Control panel, paint brush
21 Dec to 26 Dec	Dialog box, text box, check box, slide boxes, Desktop :- Test of Unit -2
28 Dec to 2 Jan	MS office. Introduction of word processing, MS Word :- Creating, Editing
4 Jan to 9 Jan	Printing: Page formatting.
11 Jan to 16 Jan	Sorting and table, merge merge. MS-Excel: Spread sheet.

18 Jan to 23 Jan	Creating, Editing, Printing, Formatting of worksheets,
25 Jan to 30 Jan	Preparation of Graphs.
1 Feb to 5 Feb	Test of Unit -3
8 Feb to 13 Feb	Data Communication and Networks-
15 Feb to 20 Feb	Data Communication Concept
22 Feb to 27 Feb	Media, Modem
1 Mar to 6 Mar	Multiplexers
8 Mar to 13 Mar	Networking. Need of Networks.
15 Mar to 20 Mar	Distributed Networking,
22 Mar to 26 Mar	Client - Server Concepts.
27 Mar to 31 Mar	Half Break
1 April to 3 April	OSI models.
5 April to 10 April	Revision of Unit 4
12 April to 16 April	Test of Unit 4.

### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Dr. Sucheta Soni
Class with sem :	B.Com First year Tut Sem
Subject / Paper :-	Operating System

Week	Topics
2 Nov to 7 Nov	Introduction to Software: Application Software & System Software, O.S & its function, Interaction of O.S, Components of O.S, Primary management
9 Nov to 14 Nov	File management, disk operating system (DOS) DOS commands - create copy, rename, delete files in DOS
16 Nov to 21 Nov	Test of Unit 1st, Device management, Control of various device, device driver, DOS DOS Internal & External Commands
23 Nov to 28 Nov	Restore and backup Commands, DOS Interrupts, Multi user, Multi tasking, Multi processing O.S
30 Nov to 5 Dec	Brief Introduction of memory management techniques.
7 Dec to 12 Dec	Test of Unit-2, Remain of Unit 1st & 2nd.
14 Dec to 19 Dec	File System, File management
21 Dec to 26 Dec	Process management and Scheduling.
28 Dec to 2 Jan	Multi Processing O.S.
4 Jan to 9 Jan	UNIX, Introduction of UNIX Operating System.
11 Jan to 16 Jan	Test of Unit - 3

18 Jan to 23 Jan	Introduction of Data processing.
25 Jan to 30 Jan	Records and file data Collection
1 Feb to 6 Feb	Presentation,
8 Feb to 13 Feb	Verification,
15 Feb to 20 Feb	editing and checking.
22 Feb to 27 Feb	Business files
1 Mar to 6 Mar	Introduction to data structure
8 Mar to 13 Mar	elementary fields and records,
15 Mar to 20 Mar	classification of files,
22 Mar to 26 Mar	Master file and transaction file
27 Mar to 31 Mar	Holi Break
1 April to 3 April	Test of Unit - 3
5 April to 10 April	Revision of Unit 4
12 April to 16 April	Test of Unit - 4



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Dr. Sucheta Soni
Class with sem :	B.Com 2nd year 3rd Sem
Subject / Paper :-	Computer Accounting Systems

Week	Topics
22 Oct to 24 Oct	Accounting Packages Computer Accounting, Accounting Information Systems
26 Oct to 31 Oct	Ready to Use, Customized, Manual Accounting and Computerized Accounting Difference b/w manual & Computerized Accounting
2 Nov to 7 Nov	Advantages & Dis Advantages of CAS
9 Nov to 14 Nov	Sourcing of Accounting Software. Considerations before Sourcing Accounting Software.
15 Nov to 21 Nov	Task based - Choosing Accounting Packages.
23 Nov to 28 Nov	Various Accounting Software in trend.
30 Nov to 5 Dec	Entry level Software
7 Dec to 12 Dec	ERP Software.
14 Dec to 19 Dec	Revision of Unit 1 & 2.
21 Dec to 26 Dec	Test of Unit 1

28 Dec to 2 Jan	Introduction of tally. Creation of Company.
4 Jan to 9 Jan	Creation of Groups and Accounts, Designing and Creating Voucher
11 Jan to 16 Jan	Sales, Purchase, Sales Return, Purchase Return, Contra.
18 Jan to 23 Jan	Journal and practical. Test of Unit - 3
25 Jan to 30 Jan	Data Entry through Vouchers.
1 Feb to 6 Feb	Proceeding for Reports to Prepare Ledger Accounts.
8 Feb to 13 Feb	Trial Balance
15 Feb to 20 Feb	Balance sheet and practical with the help of workbook
22 Feb to 27 Feb	Revision of Unit-3
1 Mar to 6 Mar	Revision of Unit-4
8 Mar to 13 Mar	Test of Unit - 3
15 Mar to 20 Mar	Test of Unit-4

### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Mrs. Neeraj chavla , Ms. Vaishali
Class with sem :	B.Com I, Semester - I
Subject / Paper :-	Financial Accounting - I

Week	Topics
2 Nov to 7 Nov	Introduction, Meaning, objectives, Process, limitations of Financial Accounting.
9 Nov to 14 Nov	Basic terms of Accounting, Uses of Accounting, Qualitative characteristics
16 Nov to 21 Nov	GAAP, Financial Accounting Standards, Concepts, Benefits.
23 Nov to 28 Nov	Procedures for issuing accounting standards in India.
30 Nov to 5 Dec	International financial Reporting standards: Need and Procedures. Convergence to IFRS.
7 Dec to 12 Dec	Revision and Test.
14 Dec to 19 Dec	Capital and Revenue items, Reserves and Provisions: meaning, Difference between Reserves and Provisions
21 Dec to 26 Dec	Categories of Provisions - Provision for Bad debts, Provision for Depreciation
28 Dec to 2 Jan	Provision for Tax, Categories of Reserves - Capital Reserve and Revenue Reserve
4 Jan to 9 Jan	Depreciation - Meaning, Causes, Accounting Procedure, Straight line Method.
11 Jan to 16 Jan	Diminishing Balance method and change of method.



18 Jan to 23 Jan	Revision and Test.
25 Jan to 30 Jan	Rectification of Errors: Meaning and Types of errors, errors not affecting the total Balance.
1 Feb to 6 Feb	Errors Affecting the Trial Balance, Suspense Account.
8 Feb to 13 Feb	Rectification of errors in the Next Accounting Year.
15 Feb to 20 Feb	Final Accounts with Adjustments: Meaning, objectives.
22 Feb to 27 Feb	Manufacturing Account, Trading Account, Profit and Loss Account.
1 Mar to 6 Mar	Balance sheet, Various Adjustment entries in Final Accounts.
8 Mar to 13 Mar	Revision and Test.
15 Mar to 20 Mar	Accounting for Non-Profit Organizations: Meaning, Characteristics.
22 Mar to 26 Mar	Final Accounts - Receipts and Payment Account, Income and Expenditure Account.
27 Mar to 31 Mar	Holi Break
1 April to 3 April	Consignment Accounts: Meaning, Accounting Treatment in the books of Consignor.
5 April to 10 April	Accounting Treatment in the books of Consignee.
12 April to 16 April	Revision and Test.



### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Gaytri Arora
Class with sem :	B.Com I <sup>st</sup> I <sup>st</sup> SEM
Subject / Paper :-	Business Economics

Week	Unit-I	Topics
2 Nov to 7 Nov		Basic Problem of an Indian Economy
9 Nov to 14 Nov		Production Possibility Curve, Working of Price mechanism.
16 Nov to 21 Nov		Role of Price mechanism in different economy.
23 Nov to 28 Nov		Law of Demand, Elasticity of Demand Importance, determination of elasticity of Demand
30 Nov to 5 Dec		Price elasticity, method Income elasticity, substitution elasticity. Average Revenue
7 Dec to 12 Dec		marginal Revenue and elasticity of Demand, Elasticity of Supply.
14 Dec to 19 Dec	Unit-II	Production function, law of variable Proportion, Return to Scale.
21 Dec to 26 Dec		<u>ISOCALANTS</u> - Economic regions and optimum factor combination.
28 Dec to 2 Jan		Expansion, Internal and External Economies and Diseconomies, Ridgelines.
4 Jan to 9 Jan		Theory of Cost - Concept, Types Short run and long run cost curves
11 Jan to 16 Jan		Traditional and modern approach. Revision of Unit-II

18 Jan to 23 Jan	Unit-III Ordinal Utility theory.
25 Jan to 30 Jan	Consumer's surplus, equilibrium criticism of the law of Demand.
1 Feb to 6 Feb	Cardinal Utility, TU, MU law of Diminishing MU.
8 Feb to 13 Feb	Law of equi-marginal utility Consumer equilibrium.
15 Feb to 20 Feb	Revision & Test of Unit III Unit-IV
22 Feb to 27 Feb	Price & output determination under perfect competition
1 Mar to 6 Mar	Price & output determination under monopoly market
8 Mar to 13 Mar	Price & output determination under monopolistic competition
15 Mar to 20 Mar	Oligopoly market. In detail.
22 Mar to 26 Mar	Doubt forum
27 Mar to 31 Mar	Holi Break
1 April to 3 April	Revision & Test of Unit-4
5 April to 10 April	Revision of whole syllabus
12 April to 16 April	Revision of whole syllabus

### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Ashima Yadav
Class with sem :	B. Com Ist Yo. 1st Sem.
Subject / Paper :-	Business Management (19B(-102))

Week	Topics
2 Nov to 7 Nov	Business - Concept, Nature and Spectrum of Business Activities
9 Nov to 14 Nov	Basic Considerations in setting up a Business Enterprise.
16 Nov to 21 Nov	Management : Introduction, Powers
23 Nov to 28 Nov	Development of Management Thoughts
30 Nov to 5 Dec	Contribution of Taylor and Henry Fayol in Management
7 Dec to 12 Dec	Revision and Test of Unit I
14 Dec to 19 Dec	Planning : objectives, strategies and planning process
21 Dec to 26 Dec	Organizing : Concept
28 Dec to 2 Jan	Organizational Structure and process.
4 Jan to 9 Jan	Staffing : Concept and scope
11 Jan to 16 Jan	Recruitment and Selection



18 Jan to 23 Jan	Revision of Unit II
25 Jan to 30 Jan	Directing : Leadership concept and style
1 Feb to 6 Feb	Theories : - Trait theory
8 Feb to 13 Feb	style or Behavior Theory
15 Feb to 20 Feb	Contingency theory
22 Feb to 27 Feb	Motivation : Concept, Theories: ERG Theory
1 Mar to 6 Mar	Reinforcement theory Expectancy Theory
8 Mar to 13 Mar	Decision Making.
15 Mar to 20 Mar	Concept, Process and Techniques of Controlling
22 Mar to 26 Mar	Management by objectives
27 Mar to 31 Mar	Holi Break
1 April to 3 April	Presentations For Unit III
5 April to 10 April	Management of change : Resistance to change and strategies to manage change
12 April to 16 April	Revision of Unit IV



### Lesson Plan from November - 2020 to April - 2021

Lecturer :	Arvita Verma
Class with sem :	B.Com Ist Yr. Ist Sem
Subject / Paper :-	Marketing Management

Week	Topics
2 Nov to 7 Nov	Nature, scope, importance of marketing
9 Nov to 14 Nov	Marketing Concepts: Traditional and Modern, 7P's of Marketing.
16 Nov to 21 Nov	Market Segmentation; Concept, importance and basis of market segmentation
23 Nov to 28 Nov	E-Marketing, Revision of Unit I
30 Nov to 5 Dec	Consumer Behaviour - Nature, scope importance, factor affecting buyer behaviour.
7 Dec to 12 Dec	Product Planning and Development: importance and scope of product planning in marketing.
14 Dec to 19 Dec	Stages of New Product development
21 Dec to 26 Dec	Product lifecycle: Stages of product life cycle.
28 Dec to 2 Jan	Factor affecting product life cycle
4 Jan to 9 Jan	Revision of Unit II
11 Jan to 16 Jan	Assignments & Presentation Unit I and II

18 Jan to 23 Jan	Branding and Trademark: Difference between brand and trademark.
25 Jan to 30 Jan	Advantages and criticism of branding types of branding.
1 Feb to 6 Feb	Brand policies and strategies. Pricing - Meaning importance.
8 Feb to 13 Feb	Factors affecting pricing. Pricing objectives
15 Feb to 20 Feb	Types of price policy and pricing strategies.
22 Feb to 27 Feb	Revision of Unit III
1 Mar to 6 Mar	Advertising: Concept
8 Mar to 13 Mar	Importance and criticism of advertising.
15 Mar to 20 Mar	Media of advertising
22 Mar to 26 Mar	Evaluating advertising effectiveness
27 Mar to 31 Mar	Holi Break
1 April to 3 April	Sales Promotion: Importance and Methods
5 April to 10 April	Sales Promotion: function and publicity
12 April to 16 April	Revision of Unit IV

**Lesson Plan from October - 2020 to March - 2021**

Lecturer :	Ms. Hayti Arza
Class with sem :	B.Com II <sup>nd</sup> III <sup>rd</sup> sem.
Subject / Paper :-	Human Resource management.

Week	Topics
22 Oct to 24 Oct	An introduction to HRM - Importance, objectives.
26 Oct to 31 Oct	Scope of HRM. Function of HRM
2 Nov to 7 Nov	Qualities of HRM's HRD Revision of HRM
9 Nov to 14 Nov	<u>Recruitment</u> :- meaning, steps Sources
16 Nov to 21 Nov	Methods of Recruitment Factors.
23 Nov to 28 Nov	Selection - meaning, stages.
30 Nov to 5 Dec	Selection Procedure in detail. Training - Introduction.
7 Dec to 12 Dec	Training methods in detail - Test & Revision
14 Dec to 19 Dec	Wages - Introduction & Theory of wages.
21 Dec to 26 Dec	Methods of wage programmes.



28 Dec to 2 Jan	Wage Surtentions In Detail.
4 Jan to 9 Jan	Importance of Wage Surtentions, Concept, Need, Importance.
11 Jan to 16 Jan	Special Surtentions. Revision & Test
18 Jan to 23 Jan	Doubt taken
25 Jan to 30 Jan	Industrial Relations Concept. Importance, objectives, content of Industrial relations.
1 Feb to 6 Feb	Participants of Industrial Relations Recruitment of hand Industrial relations programme.
8 Feb to 13 Feb	Industrial unrest: meaning, forms and causes of Industrial dispute
15 Feb to 20 Feb	Impact of Industrial unrest on the Economy, Preventive and Curative method.
22 Feb to 27 Feb	Agencies for Reconciliation of Industrial Unrest.
1 Mar to 6 Mar	Labour courts for disputes in India.
8 Mar to 13 Mar	Basic understanding of legal framework for the Empowerment of the workers.
15 Mar to 20 Mar	Revision & Doubt taken.



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Vishali
Class with sem :	B.Com II Semester - III
Subject / Paper :-	E-commerce

Week	Topics
22 Oct to 24 Oct	Introduction to E-commerce : B2B & B2C models.
26 Oct to 31 Oct	C2B, C2C Business Models.
2 Nov to 7 Nov	Applications of E-commerce : Service Industry.
9 Nov to 14 Nov	Retail Sector, Financial Services Travel and Tourism.
16 Nov to 21 Nov	Future of E-commerce, online Shopping, Web-Portals.
23 Nov to 28 Nov	Revision and Test.
30 Nov to 5 Dec	Introduction of Internet: Networking.
7 Dec to 12 Dec	Network Topologies : Star, Ring, Mesh, & Tree Topology, Bus topology.
14 Dec to 19 Dec	TCP/IP Address, Domain Name, URL, E-Mail Protocol.
21 Dec to 26 Dec	HTTP, WWW, Search Engine.

28 Dec to 2 Jan	Internet and Intranet, Extranet, Mobile Commerce (WAP & WML)
4 Jan to 9 Jan	Internet Services through Mobile, Mobile Banking, mobile Information-Devices, POS
11 Jan to 16 Jan	Revision and Test
18 Jan to 23 Jan	Online Payment Mechanism, Electronic Payment System, Payment Gateway
25 Jan to 30 Jan	Risk Management, options for E-payment Systems, Cryptography, Authentication
1 Feb to 6 Feb	Data Encryption, Decryption, Public Key, Private Key, Digital Signature
8 Feb to 13 Feb	E-Check Certification, Plastic Money, Debit, Credit Card and other smartcards
15 Feb to 20 Feb	Digital Certification. Revision and Test
22 Feb to 27 Feb	Threats in E-commerce, Security of client & Service Providers
1 Mar to 6 Mar	Security Issues over the web
8 Mar to 13 Mar	Firewalls, Cyberlaw - IT Act 2000, E-governance
15 Mar to 20 Mar	Revision and Test

**Lesson Plan from October - 2020 to March - 2021**

Lecturer :	Tamanna Sameja
Class with sem :	B.com 2nd year III Sem.
Subject / Paper :-	Retail management

Week	Topics
22 Oct to 24 Oct	Retailing : Meaning & Importance of Retailing.
26 Oct to 31 Oct	Scope of Retailing & Evolution of Retail Competition, The wheel of Retailing
2 Nov to 7 Nov	The Accordion & The Retail Life cycle with Revision.
9 Nov to 14 Nov	Emerging trends in Retailing, Retail Scenario in India
15 Nov to 21 Nov	Retail Formats Traditional and Modern with Revision.
23 Nov to 28 Nov	Unit - I (Revision & Test)
30 Nov to 5 Dec	Types of Retailing! Stores Classified By owners, merchandising, wheel of Retailing
7 Dec to 12 Dec	Traditional & modern Retail formats Store & Non - Store Based formats.
14 Dec to 19 Dec	Cash and Carry Business - meaning, Nature and Scope, Retailing models
21 Dec to 26 Dec	Franchiser - Franchisee wheel of retailing, Retailing life cycle Co-operation and conflict.



28 Dec to 2 Jan	Revision of Unit-2.
4 Jan to 9 Jan	Retail Planning- Importance and Process Developing Retailing Strategies
11 Jan to 16 Jan	Revision of Retail Planning.
18 Jan to 23 Jan	Objectives, Action Plans, Pricing Strategies
25 Jan to 30 Jan	Location strategies with Revision.
1 Feb to 6 Feb	Revision of Unit-3.
8 Feb to 13 Feb	Retail Selling Skills: Pre-check, Opening the Sale, Probing, Demonstration
15 Feb to 20 Feb	Trial, Close Handling objections Closing, Confirmations & Invitations.
22 Feb to 27 Feb	Retail management Information System with Revision.
1 Mar to 6 Mar	Retail Audits, Online Retailing, Global Retailing
8 Mar to 13 Mar	Legal and Ethical Issues in Retailing
15 Mar to 20 Mar	Revision of Unit-4.



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Arita Verma
Class with sem :	B. Com IIIrd Yr 3rd Sem
Subject / Paper :-	Business Regulatory framework (19BC-302)

Week	Topics
05 Oct to 10 Oct	Indian Contract Act - Valid Contract and Its elements
12 Oct to 17 Oct	Proposals, Acceptance and Revocation
19 Oct to 24 Oct	Contractual Capacity of Parties, Free consent of Parties
26 Oct to 31 Oct	Revision of Unit I
3 Nov to 7 Nov	Lawful consideration and object; Performance and discharge of contracts
9 Nov to 14 Nov	Contingent contracts, Quasi-Contracts and consequences of breach of contract
16 Nov to 21 Nov	Contract of Bailment; Bailment and pledge.
23 Nov to 28 Nov	Contract of indemnity and Guarantee.
30 Nov to 5 Dec	Contract of Agency : Principal
7 Dec to 12 Dec	Contract of Agency : Agent Relationship
14 Dec to 19 Dec	Revision of Unit III

21 Dec to 26 Dec	Consumer Protection Act : Right of Consumers
28 Dec to 2 Jan	Consumer Protection Councils
4 Jan to 9 Jan	Consumer Disputes Redressal machinery
11 Jan to 16 Jan	Sales of Goods Act - Introduction, Transfer of Property or Ownership
18 Jan to 23 Jan	Conditions and Warranties. Performance of Contract : Delivery and payment.
25 Jan to 30 Jan	Performance of Contract : Rights of Unpaid Seller.
1 Feb to 6 Feb	Suits for Breach of Contract
8 Feb to 13 Feb	Assignments & Presentations of Unit <u>III</u>
15 Feb to 20 Feb	RTI Act : Salient features, Rights and Importance
22 Feb to 27 Feb	RTI Act : Procedure
1 Mar to 6 Mar	E-Governance : Definition, objectives, participatory System, Components,
8 Mar to 13 Mar	E-Governance Services. Basic Understanding of the New Labour Rules in India and Mysore Right to Service Act.
15 Mar to 20 Mar	Revision of Unit <u>IV</u>

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Dr. Anshu Gupta
Class with sem :	B.Com II <sup>nd</sup> III <sup>rd</sup> Sem.
Subject / Paper :-	Corporate Accounting - I

Week	Topics
05 Oct to 10 Oct	Share Capital: meaning, types Accounting Treatment of issue, Forfeiture of Shares.
12 Oct to 17 Oct	Re-issue of Shares, Bonus Shares Buy Back of Shares, illustration
19 Oct to 24 Oct	Sweat Share, Redemption of Shares. illustrations. Process of Bank Building.
26 Oct to 31 Oct	Redemption of Preference Shares Issue of Bonus Shares with illustration
2 Nov to 7 Nov	Issue of Bonus share with illustration doubt taken.
9 Nov to 14 Nov	Issue of debentures at par Premium, Discount, other than cash.
16 Nov to 21 Nov	Issue of Debenture as collateral Security. Accounting treatment with illustration
23 Nov to 28 Nov	Redemption of Debenture. Distinction between CRD and DRD. Sinking fund!
30 Nov to 5 Dec	Methods of Redemption of Debentures Lumpsum Payment at the end of Fixed Period. Illustration
7 Dec to 12 Dec	Illustration of 1 <sup>st</sup> method 2 <sup>nd</sup> method Redemption of debenture in installments
14 Dec to 19 Dec	By Conversion into Shares By fire purchase of own Debentures in open market.



21 Dec to 26 Dec	Current Statement & Ex Statement Illustration & Doubt taken.
28 Dec to 2 Jan	Valuation of goodwill. Introduction Need & methods
4 Jan to 9 Jan	Average Profit method Super Profit method Illustration
11 Jan to 16 Jan	Capitalisation method Illustration
18 Jan to 23 Jan	Purchase consideration method Annuity method Illustration
25 Jan to 30 Jan	Valuation of Shares - Need Factor affecting the valuation of Shares
1 Feb to 6 Feb	Method of Valuation of Shares Net Asset method Illustration
8 Feb to 13 Feb	Notional call Dividend yield method Illustration
15 Feb to 20 Feb	Earning capacity method Average method Illustration & Doubt taken
22 Feb to 27 Feb	Final Accounts of Companies Balance Sheet Proforma. & Illustration
1 Mar to 6 Mar	Profit or loss prior to Incorporation and subsequent to Incorporation
8 Mar to 13 Mar	IFRS Statement Doubt taken, Test & Revision
15 Mar to 20 Mar	Test & Revision

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Vaishali
Class with sem :	B.Com III Semester - V
Subject / Paper :-	E-commerce

Week	Topics
22 Oct to 24 Oct	E-Commerce ! History of e-Commerce, Types of e-commerce.
26 Oct to 31 Oct	B2B Business Model, B2C Business Models, M-Commerce
2 Nov to 7 Nov	Business Models in emerging E-Commerce Areas.
9 Nov to 14 Nov	Revision and Test.
16 Nov to 21 Nov	Application of E-Commerce : E-Commerce in Service Industry.
23 Nov to 28 Nov	Retail E-commerce, E-commerce in Financial Services.
30 Nov to 5 Dec	E-commerce and Shopping. E-commerce Travel and Tourism.
7 Dec to 12 Dec	Revision and Test.
14 Dec to 19 Dec	Retail Sector : Advantages and Challenges to online Retail.
21 Dec to 26 Dec	E-business : Introduction, Internet Bookshops, online share dealing.

28 Dec to 2 Jan	Internet Shopping, future of E-commerce.
4 Jan to 9 Jan	Role of E-commerce in B2B applications.
11 Jan to 16 Jan	Revision and Test.
18 Jan to 23 Jan	The elements of e-commerce, elements, e-visibility, e-shop.
25 Jan to 30 Jan	Online Payments, Delivering the goods, After sale Services.
1 Feb to 6 Feb	Internet E-commerce Security.
8 Feb to 13 Feb	Revision and Test.
15 Feb to 20 Feb	Customer Relationship Management: Introduction, Goal, Applications.
22 Feb to 27 Feb	CRM in Indian Banking, Technology used.
1 Mar to 6 Mar	E-commerce Marketing Communication Online Catalogs.
8 Mar to 13 Mar	Online Advertising, Display Ads, e-mail Marketing.
15 Mar to 20 Mar	Revision and Test.



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Vaishali
Class with sem :	B.Com III Semester - V
Subject / Paper :-	Entrepreneurship and Small scale Business.

Week	Topics
22 Oct to 24 Oct	Entrepreneur - Entrepreneurship - Enterprise: Conceptual issues. Entrepreneurship VS Management.
26 Oct to 31 Oct	Roles and functions of entrepreneurs in relation to the enterprise and in relation to the economy. Process.
2 Nov to 7 Nov	Small business as the seedbed of entrepreneurship. Entrepreneurial competencies - Entrepreneurial Motivation.
9 Nov to 14 Nov	Performance and Rewards, National Institute of Entrepreneurship.
16 Nov to 21 Nov	Revision and Test.
23 Nov to 28 Nov	Opportunity Scouting and idea generation: Role of Creativity & Innovation and business Research.
30 Nov to 5 Dec	Sources of business ideas: Entrepreneurial opportunities in contemporary business environment. Process.
7 Dec to 12 Dec	Preliminary screening and aspects of the detailed study, feasibility study, Preparation of Project Report.
14 Dec to 19 Dec	Market Survey, Setting up a new venture.
21 Dec to 26 Dec	Revision and Test.

28 Dec to 2 Jan	Managerial Roles and Functions in a small Business.
4 Jan to 9 Jan	Production and operations Management.
11 Jan to 16 Jan	Managing Business Growth.
18 Jan to 23 Jan	Revision and Test.
25 Jan to 30 Jan	Issues in Small Business Marketing
1 Feb to 6 Feb	Incentives and Subsidy
8 Feb to 13 Feb	Institutional Support.
15 Feb to 20 Feb	Revision and Test
22 Feb to 27 Feb	Presentation of Unit-I
1 Mar to 6 Mar	Presentation of Unit-II
8 Mar to 13 Mar	Presentation of Unit-III
15 Mar to 20 Mar	Presentation of Unit-IV

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Tamenna
Class with sem :	B.Com III, Semester-V
Subject / Paper :-	International Trade.

Week	Topics
22 Oct to 24 Oct	International Business - An overview, Domestic business, International Business.
26 Oct to 31 Oct	Major risks and challenges of International Business, International Business Environment
2 Nov to 7 Nov	Components and determinants: stages of internationalization of Business.
9 Nov to 14 Nov	International Business approaches, Concept of globalization.
16 Nov to 21 Nov	Revision and Test.
23 Nov to 28 Nov	Modes of entering into International Business.
30 Nov to 5 Dec	Nature of multinational enterprise and International direct investment.
7 Dec to 12 Dec	Foreign exchange; determination of exchange rate.
14 Dec to 19 Dec	Balance of Payment.
21 Dec to 26 Dec	Revision and Test.



28 Dec to 2 Jan	Theories of International Trade Absolute and Comparative Theory.
4 Jan to 9 Jan	Factors proportions theory: Product life Cycle Theory of Trade.
11 Jan to 16 Jan	Government influence on trade, Rationale for government intervention.
18 Jan to 23 Jan	Instruments of trade control; role of WTO.
25 Jan to 30 Jan	IMF and World Bank in International Trade.
1 Feb to 6 Feb	Revision and Test.
8 Feb to 13 Feb	Assessing International Markets:
15 Feb to 20 Feb	designing products for foreign markets. Branding decisions.
22 Feb to 27 Feb	International Formations Policy.
1 Mar to 6 Mar	International Pricing.
8 Mar to 13 Mar	International logistics and distribution.
15 Mar to 20 Mar	Revision and Test.

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Tamanna Sameja
Class with sem :	B.Com final year V <sup>th</sup> sem.
Subject / Paper :-	Accounting for management.

Week	Topics
22 Oct to 24 Oct	management Accounting ; Nature and scope, meaning, Functions of management Accounting
26 Oct to 31 Oct	Scope of management Accounting, The management Accountant, Contractor, Features, Utility of management Accounting
2 Nov to 7 Nov	Limitations of management Accounting with Revision and Test.
9 Nov to 14 Nov	Analysis and Interpretation of financial statement
16 Nov to 21 Nov	Revision and Test of Analysis and Interpretation of financial statement
23 Nov to 28 Nov	Types of financial statement theory and practical.
30 Nov to 5 Dec	Ratio Analysis : meaning, classification of Ratios
7 Dec to 12 Dec	Profitability Ratio and Balancesheet Ratio with practical problems
14 Dec to 19 Dec	Turnover Ratios theory with practical Problems.
21 Dec to 26 Dec	Revisions and Test of Ratios Analysis

28 Dec to 2 Jan	Cash flow statement: Meaning, Procedure for preparing cash flow statement.
4 Jan to 9 Jan	Classification of cash flow statement, Cash flow from Investing Activities and operating Ac
11 Jan to 16 Jan	Cash flow from Financing Activities with theory and Practical Problems.
18 Jan to 23 Jan	Practical Problems of cash flow statement.
25 Jan to 30 Jan	Revision and Test of Cash flow statement.
1 Feb to 6 Feb	Financial Planning: Meaning, objectives Procedure of financial planning, factors, Limitations
8 Feb to 13 Feb	Assessment of funds Requirement for Current Assets; Revision of financial planning.
15 Feb to 20 Feb	Capital Budgeting: meaning, Importance kinds, Traditional Techniques with numerical.
22 Feb to 27 Feb	Pay Back Method, Discounted Cash flow Techniques with Theory and Practical.
1 Mar to 6 Mar	Internal Rate of Return, Profitability Index with Practical.
8 Mar to 13 Mar	Miscellaneous illustrations of Capital Budgeting
15 Mar to 20 Mar	Revision of Capital Budgeting.



**Lesson Plan from October - 2020 to March - 2021**

Lecturer :	Ashima Yadav
Class with sem :	B. Com Final Yr. <u>V</u> <sup>th</sup> Sem
Subject / Paper :-	Sales force Management - I

Week	Topics
22 Oct to 24 Oct	Introduction Importance / Role of Sales force
26 Oct to 31 Oct	Management of sales force
2 Nov to 7 Nov	functions of a Sales Manager .
9 Nov to 14 Nov	Ethical aspects in sales force
16 Nov to 21 Nov	Recruitment and selection of Sales force .
23 Nov to 28 Nov	Training and development of Sales force
30 Nov to 5 Dec	Revision
7 Dec to 12 Dec	Motivation and Compensation of Sales force .
14 Dec to 19 Dec	Performance Appraisal of sales force
21 Dec to 26 Dec	Revision

28 Dec to 2 Jan	Analysis of sales and cost
4 Jan to 9 Jan	Uses and methods of sales of cost Analysis
11 Jan to 16 Jan	Organization of sales department
18 Jan to 23 Jan	Assignments and presentations
25 Jan to 30 Jan	Size of sales force
1 Feb to 6 Feb	Organization and size of sales force on Geographic
8 Feb to 13 Feb	Revision
15 Feb to 20 Feb	Presentations For Unit I
22 Feb to 27 Feb	Presentations for Unit II
1 Mar to 6 Mar	Presentation for Unit III
8 Mar to 13 Mar	Product and Market basis
15 Mar to 20 Mar	Presentation for Unit IV

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Dr. Anvita Gaba
Class with sem :	B.Com Final Yr. V <sup>th</sup> Sem
Subject / Paper :-	Cost Accounting - 1 (S.02)

Week	Topics
05 Oct to 10 Oct	Cost Accounting : Meaning + features scope , Techniques
12 Oct to 17 Oct	Cost Accounting : Methods , objectives, Importance and Limitations.
19 Oct to 24 Oct	Costing ; Cost Accountancy ; Cost Centres and profit Centres.
26 Oct to 31 Oct	Difference and similarities of cost accounting system with financial accounting system .
2 Nov to 7 Nov	Cost : main elements and types. Material control : Meaning and objectives of material control .
9 Nov to 14 Nov	material purchase procedure , factors of inventory levels - reorder level ,
16 Nov to 21 Nov	fixation of inventory levels - Minimum level , Maximum level + Danger level
23 Nov to 28 Nov	FOA analysis . Methods of Valuing Material Issues Wastage of Material - main types.
30 Nov to 5 Dec	Labour Cost Control : Importance , methods of time keeping and time Booking
7 Dec to 12 Dec	Treatment and control of Labour Turnover , Idle Time , overtime
14 Dec to 19 Dec	Systems of wage payment - Time Wage system , Piece Wage system.



21 Dec to 26 Dec	Incentive wage Plans - Individual plans and group plans.
28 Dec to 2 Jan	Revision of Unit I and II
4 Jan to 9 Jan	Overheads: meaning and types. Collection, classification
11 Jan to 16 Jan	Allocation, Apportionment and Absorption of Overheads - Main methods.
18 Jan to 23 Jan	Revision of Unit III
25 Jan to 30 Jan	Unit and Output Costing: meaning and objectives.
1 Feb to 6 Feb	Cost sheet - meaning, performance, types preparation of cost sheet
8 Feb to 13 Feb	Assignments and presentations
15 Feb to 20 Feb	Determination of tender price; production account - types.
22 Feb to 27 Feb	Doubt class
1 Mar to 6 Mar	Reconciliation of cost and financial accounts: meaning and objectives
8 Mar to 13 Mar	Reconciliation of cost and financial accounts: meaning, procedure.
15 Mar to 20 Mar	Revision of Unit IV

**Lesson Plan from October - 2020 to March - 2021**

Lecturer :	Ms. Meera Chavala
Class with sem :	B.Com III <sup>rd</sup> sem.
Subject / Paper :-	Taxation Laws

Week	Topics
05 Oct to 10 Oct	<del>Unit 1</del> Introduction of Income Tax. History, Basis.
12 Oct to 17 Oct	Agriculture Income, Kinds and Computation of Agriculture Income
19 Oct to 24 Oct	Exempted Income for all assessee Exempted Income for employee and Some assessee.
26 Oct to 31 Oct	Introduction of Residential Status of a assessee, Illustration.
2 Nov to 7 Nov	Residential Status of Individuals, HUF, firm or association of Person and Companies illustrating
9 Nov to 14 Nov	Introduction of Income of Salary, Allowances, Perquisites, Profit In lieu of Salary. illustrations
16 Nov to 21 Nov	Provident fund, Deduction, Retirement with illustrations
23 Nov to 28 Nov	Income of House Property, Taxable Income Basic terms, Calculation of Gross annual value. illustrating
30 Nov to 5 Dec	Deduction In House Property (Gross Annual Tax Treatment - Revision of Salary)
7 Dec to 12 Dec	Calculation of Profit from Business, Allowed Deduction In Business, illustrating Disallowed, Expenses not allowed
14 Dec to 19 Dec	Introduction of Capital Gain, Capital Asset, Transfer of Capital Asset

21 Dec to 26 Dec	Computation of Capital gain. with illustrations
28 Dec to 2 Jan	Capital gain exempt from tax. Revision of Capital gain. Test of House Property
4 Jan to 9 Jan	Calculation of Income from other Sources
11 Jan to 16 Jan	Deemed Income and Clubbing of Income
18 Jan to 23 Jan	Set off and carry forward of losses.
25 Jan to 30 Jan	Deduction from Gross Total Income
1 Feb to 6 Feb	<u>son to son</u> Deduction Doubt Taken.
8 Feb to 13 Feb	Revision of Income from House Property & Profit from Business
15 Feb to 20 Feb	Test
22 Feb to 27 Feb	Revision Doubt taken.
1 Mar to 6 Mar	Test of Income from other Sources
8 Mar to 13 Mar	Revision
15 Mar to 20 Mar	Revision



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Hagbi Arya
Class with sem :	B.Com III <sup>rd</sup> in sem
Subject / Paper :-	Financial market operating (T.M)

Week	Unit - I	Topics
22 Oct to 24 Oct		Indian money market - Importance, structure, characteristics, acceptance houses, Call money market, Discount houses.
26 Oct to 31 Oct		Recent trends in Indian money market, Capital market, Primary market issue market & sale, process, functions.
2 Nov to 7 Nov		Characteristics of Capital & money market, secondary market, Role of stock exchange, NSE.
9 Nov to 14 Nov		NSE - objectives, listing of securities, Subsidiaries of NSE
16 Nov to 21 Nov		OTCEI - Feature, Listing procedure, players in the OTCEI, Reasons of unit-I
23 Nov to 28 Nov	Unit - II	SEBI - Role, Power, objectives, scope.
30 Nov to 5 Dec		Functions of SEBI Investor Protection, Grievance,
7 Dec to 12 Dec		Grievance concerning stock exchange and their removal. Arbitration cell in stock exchange.
14 Dec to 19 Dec		SEBI, Company level Board, Breach, Remedy through Courts
21 Dec to 26 Dec		Revision of unit - II Functionaries of stock exchange, Brokers

28 Dec to 2 Jan	Sub-Brokers, market makers, jobbers, portfolio consultant.
4 Jan to 9 Jan	Institutional, Investors Depository, Unit-III merchant Banking - Functions
11 Jan to 16 Jan	Role of merchant Banker SEBI guidelines.
18 Jan to 23 Jan	Credit Rating - concept, functions and types
25 Jan to 30 Jan	Revision of unit - III & Test
1 Feb to 6 Feb	Doubt taken
8 Feb to 13 Feb	Introduction to financial Institutions in India
15 Feb to 20 Feb	Product & Services offered By IFCI, IDBI, IBI
22 Feb to 27 Feb	SIDBI, NABARD, ICICI
1 Mar to 6 Mar	Mutual Funds, Types, SEBI Guidelines.
8 Mar to 13 Mar	Revision & Test
15 Mar to 20 Mar	Revision & Test

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. HIMANSHI JAIN
Class with sem :	B-Com II (3rd Sem) (Computer Applications)
Subject / Paper :-	NETWORKING AND INTERNET.

Week	Topics
24 Oct to 24 Oct	Introduction to Computer Network: Types of Networks, Network Topologies, Digital vs. Analog Communication.
26 Oct to 31 Oct	OSI and TCP/IP Reference Models, Comparison of models, Parallel & Serial Communication, Communication modes, Multiplexing.
2 Nov to 7 Nov	Transmission Media; Wireless transmission, Query Session of Unit-I; Communication Switching Techniques (Circuit Switching, Message Switching, Packet Switching).
9 Nov to 14 Nov	Framing, basic of Error Detection, Forward Error Correction, Cyclic Redundancy Check Codes for Error Detection, Flow Control, ALOHA.
16 Nov to 21 Nov	CSMA, CSMA/CD, Token Ring, Token Bus, Query Session of unit-II, Test of unit-I.
23 Nov to 28 Nov	Revision of unit-II, Categories & characteristics of Web Applications, Concept of Internet.
30 Nov to 5 Dec	Applications of Internet, Basic Internet Protocols, Introduction to Intranet.
7 Dec to 12 Dec	Client-Server Environment, Web Browser & its functions, Web Server & their features, WWW.
14 Dec to 19 Dec	Sending & Receiving files Through E-mail, Fighting Spam, Sorting & Searching Mails.
21 Dec to 26 Dec	Mailing lists, Avoiding E-Mail Viruses, Configuring E-Mail Program.



28 Dec to 2 Jan	Categories of Search Engines, Searching Criteria, HTTP, URL.
4 Jan to 9 Jan	DNS Working, Usenet Newsgroup Concepts:- Reading usenet newsgroups, Internet Relay chat.
11 Jan to 16 Jan	Query Session of unit 2 and unit 3, Test of unit 2, Security requirements and attacks, Firewall.
18 Jan to 23 Jan	Cryptography (DES, AES, RSA), Goals of Networking Services, Repeater, uses of repeaters, Hubs with its classification.
25 Jan to 30 Jan	Stackable Hubs, USB Hubs, Switches, Switching Methods, Comparison of Switching methods.
1 Feb to 6 Feb	Working with hubs & switches, Cables connecting Hubs & Switches, Managed Hubs & Switches, Port Density & Bridges.
8 Feb to 13 Feb	Bridge Implementation Consideration, Types of Bridges, Routers, Dedicated Hardware vs Server-Based Routers, Advantages & Disadvantages of Dedicated Hardware Routers.
15 Feb to 20 Feb	Drawbacks of Routers, Gateways, Advantages of gateways, Gateways functionality.
22 Feb to 27 Feb	Other Services: Modems, Proxy Server, Wireless Routers.
1 Mar to 6 Mar	Brouter, Wireless Access Point. Doubt Session of Unit 4.
8 Mar to 13 Mar	Revision & Test of unit 3 & 4.
15 Mar to 20 Mar	Revision to Query Session.

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. HIMANSHI JAIN
Class with sem :	B-Com III (CA) (5th sem)
Subject / Paper :-	Computer Aided Drafting & Advanced Topics in Computer: (Theory and Practical)
Week	Topics
21 Oct to 24 Oct	CAD/CAM defined, Product Cycle and CAD/CAM, Automation and CAD/CAM.
26 Oct to 31 Oct	Computer Technology: Introduction, CPU, Types of memory, Input/output
2 Nov to 7 Nov	Data Representation, Computer programming languages, Operating the Computer System.
9 Nov to 14 Nov	Introduction to mini computers, micro computers and programmable controllers. Query Session and Test of unit - 1.
16 Nov to 21 Nov	Introduction to SQL, fundamentals of CAD, Introduction, Design Process, Application of computers for design.
23 Nov to 28 Nov	Creating the manufacturing database, benefits of computer-Aided Design - with examples, Hardware in CAD - Introduction
30 Nov to 5 Dec	Design Workstation, Graphics Terminal, operator Input Devices.
7 Dec to 12 Dec	Plotters and other output devices, CPU, Secondary Storage.
14 Dec to 19 Dec	Query session of unit-2, Practical Implementations of DML Commands.
21 Dec to 26 Dec	Computer Graphics software and Database: Introduction software configuration of a graphics system.



28 Dec to 2 Jan	Functions of a graphic package, Exchange of CAD Data; Role of multimedia.
4 Jan to 9 Jan	Query session of unit-3, Practical Implementation of DCL commands with primary key constraint
11 Jan to 16 Jan	Query Session and Practical Test of DDL, DML and DCL commands.
18 Jan to 23 Jan	Data Warehousing components - Building a Data Warehouse.
25 Jan to 30 Jan	Mapping to Data Warehouse to a Multiprocessor Architecture - DBMS Schemas for Decision Support.
1 Feb to 6 Feb	Data Extraction, Cleanup and Transformation Tools.
8 Feb to 13 Feb	Metadata, Query session of unit-IV
15 Feb to 20 Feb	Test with Revision of unit II & III
22 Feb to 27 Feb	Practical Implementation of Numeric functions in SQL.
1 Mar to 6 Mar	Revision and Test of unit-IV
8 Mar to 13 Mar	Practical Test of SQL commands and Numeric functions.
15 Mar to 20 Mar	Revision of complete Syllabus.



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms HIMANSHI JAIN
Class with sem :	B.Com-III (CA) (5th sem)
Subject / Paper :-	ESSENTIALS OF E-COMMERCE (Theory + Practical)

Week	Topics
21 Oct to 24 Oct	Introduction of E-commerce:- Definition, Main activities of E-commerce, Benefits of E-commerce, E-commerce applications
26 Oct to 31 Oct	E-commerce systems, Advantages & Disadvantages of E-commerce, E-commerce Technologies, Types of E-commerce: B2B, B2C, C2B, B2G, etc.
2 Nov to 7 Nov	Mobile commerce, E-Markets, future of E-commerce, Introduction to Portals:- functions of Portals, Advantages of Portals, E-commerce Portals.
9 Nov to 14 Nov	Types of Portals, Market Place for E-commerce, B2B E-commerce:- Enter, Organization, Transactions, Introduction to E-Market, Online Shopping, Online banks
16 Nov to 21 Nov	Models of E-Market, Markets Category, E-business, B2B E-commerce, B2B application, B2B E-commerce requirements
23 Nov to 28 Nov	Virtual Supply technologies, Electronic Applications Categories, E-Tailing.
30 Nov to 5 Dec	E-Tailing in India, Auctions & the emerging electronic market place, essential elements of an E-Business.
7 Dec to 12 Dec	Differentiation in catalogs for B2B as opposed to B2C, Instant Messaging.
14 Dec to 19 Dec	Electronic Data Interchange:- Definition, benefits of EDI, Applications of EDI.
21 Dec to 26 Dec	Practical demonstrations of unit I & II, Query session of unit I & II and Test of unit-I.

28 Dec to 2 Jan	B2C E-commerce: Definition, e-shop, Internet Shopping and the Trade Cycle, Advantages & Disadvantages of Consumer e-commerce.
4 Jan to 9 Jan	E-payment Systems:- Introduction, Traditional Payment Systems, Modern Payment Systems:- PC Banking, Credit Cards, Electronic Cheque, Micro Payments
11 Jan to 16 Jan	Smart Cards, E-Cash, EFT with Possible Practical Demonstrations. Security Schemes:- Encryption
18 Jan to 23 Jan	Digital Signatures, Security Certificates, Protocols used in Internet Security, secure socket Layer (SSL), HTTP, SET, e-commerce.
25 Jan to 30 Jan	IT Act. Query Session of unit-III and Test of unit-II.
1 Feb to 6 Feb	E-banking/Online Banking:- Introduction, Advantages, Issues in Internet Banking, E-banking Rates.
8 Feb to 13 Feb	Tools of financial Banking, e-commerce & Internet:- Definition, e-commerce technical Components:- Web Resource, ISP, Cookies.
15 Feb to 20 Feb	Evolution of the Internet, Internet for Business, TCP/IP and OSI Model Protocol.
22 Feb to 27 Feb	Broad Band Technology, Supply chain Management:- Definition, Different Categories of Supply chain.
1 Mar to 6 Mar	Functions of SCM, Benefits of SCM, Possible Practical Demonstrations & Query Session of unit-IV.
8 Mar to 13 Mar	Revision and Test of unit-III & IV.
15 Mar to 20 Mar	Practical Test of all practical topics of the syllabus.



UG - Lesson Plan 2020-2021

Lecturer :	Dr Deepu Saini
Class with sem :	BSc Ist Yr (Ist Sem)
Subject / Paper :-	Computer fundamental and H-S office/Paper 1

Week

Topics

2nov to 7nov	Introduction of Computer, History of Computer, Block Diagram, Components and characteristics
9nov to 14nov	Application of Computer, TOST, Number system Binary octal
16nov to 21nov	Decimal, Hexadecimal, Number system and its Conversion, Representation of integer, Fixed, floating & BCD code
23nov to 28nov	Error Detecting and Correcting codes, Character Representation ASCII, EBCDIC, Binary Arithmetic
30nov to 5dec	Input & output devices Keyboard, Mouse, Joystick, Touchpad
7dec to 12 dec	Digital, Voice Recognition, optical Recognition, Scanners, Terminals
14dec to 19dec	Visual System, Hard copy devices - Impact Printer and its types, Non Impact Printer and its types
21dec to 26dec	Plotter, Soft copy device - Monitor, VGA, SVGA
28dec to 2jan	Introduction of Memory system, RAM, ROM, Magnetic Disk, floppy



4jan to 9jan	Hard Disk, Magnetic tapes, CD, CD-I, CD-ROM
11jan to 16jan	Concepts of Virtual and Cache Memory, Introduction of S/W
18jan to 23jan	TEST - REVISION
25jan to 30jan	Types of S/W Languages, Translators, Compiler, Interpreter, Assembler, O/S characteristics, Boot strapping
1feb to 6 feb	Types of O/S, O/Ss as Resource Manager, BIOS - editor, Loader, Linker, File Manager, Concepts of GUI, GUIs like GUI, Introduction of Algorithm
8feb to 13feb	Flowchart and its advantages & Disadvantages TEST & REVISION
15feb to 20feb	MS-WORD, Creating, Document, Font operation, Bold, Numbering, FIND AND REPLACE
22feb to 27feb	Hyperlinking, create table and Flowchart
1mar to 6mar	Macro, Mailmerge, Correcting grammar, protect file, Distribute DOC and DOCs, MS powerpoint creation
8mar to 13mar	Slide creating, Animation, Slide Show
15mar to 20 mar	TEST & REVISION MS-Excel, Create Sheet, Rename and operation
22mar to 26mar	Hyperlinking Sort and Data tool, Protecting Sheet and workbook
27mar to 31mar	not break
1apr to 3 apr	TEST and Revision
5apr to 10apr	TEST and Revision
12apr to 16 apr	TEST and Revision

## UG - Lesson Plan 2020 - 2021

(PR)

Lecturer :	DR. DEEPA SAINI
Class with sem :	B.Sc 1st Year (1st Sem)
Subject / Paper :	Computer fundamentals & MS Office

Week

Topics

2nov to 7nov	MS-WORD Introduction
9nov to 14nov	Creating A Document Font options & BULLETED NUMBERING
16nov to 21nov	FIND AND REPLACE TEXT HYPERLINKING
23nov to 28nov	Create table and Auto draw
30nov to 5dec	Create MACRO & MAILMERGS
7dec to 12 dec	SECURITY OF FILE
14dec to 19dec	MS POWERPOINT INTRODUCTION
21dec to 26dec	CREATING A SINGLE & MULTIPLE SLIDES
28dec to 2jan	HANDAL & AUTOMATIC SLIDE SHOW

4jan to 9jan	-HYPER LINKING
11jan to 16jan	DATAFLOW DIAGRAM - SHAPE AND STYLE
18jan to 23jan	REVISION MS-WORD
25jan to 30jan	REVISION MS-POWER POINT
1feb to 6 feb	MS-EXCEL INTRODUCTION
8feb to 13feb	CREATE A SPREADSHEET
15feb to 20feb	CREATE A TABLE & ITS operations
22feb to 27feb	HYPERLINKING
1mar to 6mar	MATHEMATIC FUNCTIONS
8mar to 13mar	LOGICAL FUNCTIONS
15mar to 20 mar	FILTERING OF DATA & ITS TYPE
22mar to 26mar	PROTECTION SHEET
27mar to 31mar	holl break
1apr to 3 apr	REVISION MS EXCEL
5apr to 10apr	FILTERING OF DATA & ITS TYPE REVISION
12apr to 16 apr	REVISION-



## UG - Lesson Plan 2020-2021

Lecturer :	Dr. Deepa Sabu
Class with sem :	B.Sc 2nd Yr (3rd Sem)
Subject / Paper :-	Object-Oriented Design and C++ / Paper 32

Week

Topics

Week	Topics
5oct to 10oct	Introduction to object, class, Methods, Message Passing, Abstraction, Inheritance
12oct to 17oct	Introduction to Polymorphism, Generality, Overload, Abstract class Method generalization, Aggregation
19oct to 24oct	Recursion, Object Modeling Techniques, Introduction to object model kind.
26oct to 31oct	Dynamic mode, Functional Model, Strengths & Weakness of all models, Object oriented Paradigm
2nov to 7nov	Types, const, variables, operators, Flow control, Recursion, Array, pointer and their Manipulation
9nov to 14nov	String structure, Class & Object, Data hiding & Encapsulation, Data Members and member function
16nov to 21 nov	In-line function, Static Data Member, TEST
23 nov to 28 nov	Member function, Preprocessor, Directive statements, Comparing with C++ and C
30 nov to 5 dec	TEST Introduction to Constructor & Destructor

7 dec to 12 dec	Role and type of constructors, Constructors Overloading Role of Destructor
14 dec to 19 dec	Dynamic Memory Allocation, TEST, Pointers and their manipulation, New and Delete operators
21 dec to 26 dec	Two printer console I/O - Formatted and unformatted I/O, Manipulation
28 dec to 2 jan	TEST PPT (Presentation)
4 jan to 9 jan	Compile time polymorphism Using and Binding operators overloading through member function
11 jan to 16 jan	Friend function, Function overloading, virtual function inheritance, Types of Derivatives
18 jan to 23 jan	Forms of inheritance Role of constructors
25 jan to 30 jan	Destructor Inheritance
1 feb to 6 feb	Revision - 2nd unit TEST
8 feb to 13 feb	Types of inheritance
15 feb to 20 feb	Revision - 2nd unit
22 feb to 27 feb	Revision - 2nd unit
1 march to 6 march	Revision - 2nd unit
8 march to 13 march	TEST & Revision
15 march to 20 march	TEST & Revision

## UG - Lesson Plan 2020- 2021

PR

Lecturer :	DR. DEEPU SAINI
Class with sem :	B.Sc 2nd Year (3 <sup>rd</sup> Sem)
Subject / Paper :-	Object Oriented Design and C++

Week

Topics

5oct to 10oct	C++ Introduction, Write a program to find sum of two numbers
12oct to 17oct	Write a program to find sum of elements of class
19oct to 24oct	Program of Single inheritance
26oct to 31oct	Program to illustrate the concept of virtual function
2nov to 7nov	Program to illustrate the concept of static class
9nov to 14nov	program to illustrate the concept of static member function
16nov to 21 nov	Program to illustrate the concept of friend function
23 nov to 28 nov	program of Multiple inheritance
30 nov to 5 dec	Program of Multilevel inheritance.



7 dec to 12 dec	Programme to illustrate the concept of virtual function.
14 dec to 19 dec	write a program to illustrate new operator
21 dec to 26 dec	Write a program to illustrate Delete operator
28 dec to 2 jan	Write a program the concept of Constructor
4 jan to 9 jan	Write a program the concept of Destructor
11 jan to 16 jan	Revision and TEST
18 jan to 23 jan	Program to illustrate of virtual and static function.
25 jan to 30 jan	Program to illustrate the concept of virtual <del>fun</del>
1 feb to 6 feb	Program to illustrate the priority Inheritance
8 feb to 13 feb	TEST, Revision of Practical
15 feb to 20 feb	Program to illustrate the Multilevel Inheritance.
22 feb to 27 feb	Program to illustrate the Hybrid Inheritance.
1 march to 6 march	TEST & Revision.
8 march to 13 march	Practical Revision
15 march to 20 march	Revision

UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	DR. Preeti
Class with sem :	B.A-1st Sem. B.Sc - 1st sem. [Medical & Non-Medical]
Subject / Paper :-	Computer Awareness [ 2 days Theory & 1 day practical in a week ]

Week	Topics
2 Nov - 7 Nov.	History of computer / Basic of word window
9 Nov - 14 Nov	Creation of computer / create, save, open a new document
16 Nov to 21 nov	Model & functioning of Digital computer - using page setup
23 nov to 28 nov	Advantages & disadvantages of computer - working with text
30 Nov to 5 Dec	Block diagram & Digital computer system/ - Header & footer
7 Dec to 12 Dec	Problem solving & Revision of Theory & Practical.
14 Dec to 19 Dec	Classification of Digital computer - Insert symbols & pictures.
21 Dec to 26 Dec	Definition of Memory, characteristics of memory. - Insert tables in a document.

28 Dec to 2 Jan	Classifications of memory - working with tables in MS word
4 Jan to 9 Jan	Types of primary memory - Bullets & Numbering in a document - alignment text
11 Jan to 16 Jan	RAM and Types of RAM - Formatting text using styles & Themes.
18 Jan to 23 Jan	ROM and Types of ROM - create, save a workbook in Excel
25 Jan to 30 Jan	Difference b/w primary & secondary memory, advantages & disadvantages of memory - cell addresses, page layout
<del>3 March to 6 March</del>	—
1 Feb to 6 Feb	Magnetic Tapes, Advantages & Disadvantages of Magnetic Tapes - modify margins - width, height
8 Feb to 13 Feb	Magnetic disks, Advantages & Disadvantages of Magnetic disks, - print worksheet Difference b/w Magnetic tape & Magnetic Disk
15 Feb to 20 Feb	- Create formulas in Excel. Optical disks, types, Advantages & Disadvantages of optical disks - Basic functions in Excel.
22 Feb to 27 Feb	Problem solving of memory primitives Revise and Test of memory concepts.



<del>8 Feb to 13 Feb</del>	—
1 March to 6 March 8 March - 13 March	Input devices with examples - working with charts
15 March to 20 March	- output devices with examples - Practice of MS Excel
22 March to 26 March	Printers & Types of printers - Practice of MS Excel
27 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Problem solving & Revision - Practice of MS word.
5 April to 10 April	Test of Input & output devices - Practice of MS word.
12 April to 16 April	Test of syllabus / practice.

## UG - Lesson Plan 2020-2021<sup>III</sup>

Lecturer :	Ms Himanshu, MS. RITIKA
Class with sem :	B-sc It & sys (3rd sem)
Subject / Paper :-	Computer Archi. Hcture / Paper 1-2

Week

Topics

2nov to 7nov	Circuit Logic Design . OR , AND, NOT, X-OR gates
9nov to 14nov	De-morgan's theorem Law & theorem of boolean algebra Simplify logic circuit - SOP
16nov to 21nov	TEST POS FORM algebraic simplification
23nov to 28nov	Karnaugh Simplification TEST
30nov to 5dec	Arithmetic Circuit, Adder, Subtractor, Parallel BINARY adder Subtractor
7dec to 12 dec	Binary multiplication and Division
14dec to 19dec	TEST , Combinational Circuit Decoder and Encoder
21dec to 26dec	Multiplexer and demultiplexer circuit
28dec to 2jan	TEST , Code converter

4jan to 9jan	
	Design of code convert
11jan to 16jan	RACE-around condition, Introduction of flip/flop
18jan to 23jan	flip-flop, S-R, J-K, T Clocked flip-flop
25jan to 30jan	TEST Master Slave flip/flop
1feb to 6 feb	- Realization of one flip-flop using other flip-flop
8feb to 13feb	Shift Register, Counter - Ripple Modulus Synchronization
15feb to 20feb	TEST, RING & Twisted RING Counter, Register Transfer language
22feb to 27feb	BUS Memory Transport Arithmetic Logic Micro operation
1mar to 6mar	Shift Micro-operation Instruction & Instruction code Computer instruction
8mar to 13mar	Timing & Control, Instruction Cycle
15mar to 20 mar	Memory reference Instruction
22mar to 26mar	Input-out reference instruction and interrupt
27mar to 31mar	holi break
1apr to 3 apr	Revision I & II & TEST
5apr to 10apr	Revision III & IV & TEST
12apr to 16 apr	Revision & TEST



## UG - Lesson Plan 2020-2021

Lecturer :	Ms. RITIKA
Class with sem :	B.Sc 2nd Yr (3rd Sem.) 3:1
Subject / Paper :-	Data Communication and Networking.

Week

Topics

Week	Topics
05oct to 10oct	-
12oct to 17oct	-
19oct to 24oct	Introduction to Computer Communication and Networking, Technologies uses of computer Networks.
26oct to 31oct	Networks Architectures, Network Devices, Nodes and Hosts, Types of Computer Network & their technologies.
2nov to 7nov	OSI Reference Model
9nov to 14nov	TCP/IP Reference Model
16nov to 21 nov	Analog and Digital Communication: Concept of Data, Signal, channel
23 nov to 28 nov	Bit rate, Maximum data rate of channel, Representation Data as analog signals
30 nov to 5 dec	Representation Data as Digital Signal, Data rate and Band width, Capacity, Baud rate, Asynchronous and Synchronous transmission, data encoding techniques, Modulation

7 dec to 12 dec	Digital Carrier Systems ; guided and wireless Transmission Media; Communication satellites
14 dec to 19 dec	Switching and Multiplexing - Dial up Networking, Analog Modem Concepts.
21 dec to 26 dec	Data Link Layer - Framing, Flow Control, Error Control
28 dec to 2 jan	Error detection and Correction, Media Access Control
4 jan to 9 jan	Random Access Control, Token Passing
11 jan to 16 jan	Token Passing Protocols ; Token Rings
18 jan to 23 jan	Test and Revision
25 jan to 30 jan	Introduction to Ethernet
1 feb to 6 feb	Revision & Test
8 feb to 13 feb	FDDI, Wireless LAN, Network Layer and Routing Concepts, Virtual Circuit and Datagram, Routers
15 feb to 20 feb	Algorithm - Flooding, Shortest Path Algorithm, Distance vector Routing, Internetworking, Elements of Transport Layer, Addressing, Connection Establishment
22 feb to 27 feb	Flow Control, Buffers, Crash Recovery, Internet Transport, UDP - Real time Transport protocol, Remote Procedure Call
1 march to 6 march	Application Layer, DNS, WWW, Email, TEST
8 march to 13 march	Revision & TEST
15 march to 20 march	Revision & TEST

## UG - Lesson Plan 2020-2021

Lecturer :	MS. HIMANSHU MS. RITIKA
Class with sem :	B.Sc II YEAR (5 <sup>th</sup> Sem)
Subject / Paper :-	5:1 Database Management Systems

Week

Topics

Week	Topics
5oct to 10oct	
12oct to 17oct	
19oct to 24oct	DBMS functions, advantages & Disadvantages Data, Information, Record, Traditional file
26oct to 31oct	Introduction of DBMS, Classification of DBMS.
2nov to 7nov	Role in the database environment.
9nov to 14nov	TEST of classification of DBMS, centralized client server architecture to DBMS
16nov to 21 nov	Three level architecture - External, conceptual and Internal level
23 nov to 28 nov	Schema mapping and instance, Data independence Logical & Physical
30 nov to 5 dec	Data Models - Record, object Data Models.



7 dec to 12 dec	Physical Data Models and conceptual model TEST
14 dec to 19 dec	Three level of Model. Hierarchical, Network Relational Model
21 dec to 26 dec	Data Model, Relational Model, E-R Model, Entity set, Attribute, key, Relationship, Index
28 dec to 2 jan	Recursive Relationship and structural Constraints Role name.
4 jan to 9 jan	Relational Database Design, Functional Dependency TEST Attribute, key, Relationship
11 jan to 16 jan	Structural, Constraints, Role name
18 jan to 23 jan	Revision of TEST
25 jan to 30 jan	Introduction of Normal forms.
1 feb to 6 feb	Revision
8 feb to 13 feb	Relational Database design functional dependencies Normalization 1st to 3rd Normal form
15 feb to 20 feb	BCNF, lossy join and dependency preserving decomposition, TEST, SQL Introduction and all Basic and
22 feb to 27 feb	Types & Components of SQL, Data Definition and Database Data definition Commands, Data Manipulation Commands
1 march to 6 march	Revision - 21 unit -
8 march to 13 march	Revision - 14 unit - TEST
15 march to 20 march	Revision - 14 unit - TEST

## UG - Lesson Plan 2020-2021

Lecturer :	MS RITIKA
Class with sem :	3rd Year / 5 <sup>th</sup> Sem
Subject / Paper :-	Introduction to Internet & web technologies

Week

Topics

Week	Topics
5oct to 10oct	
12oct to 17oct	
19oct to 24oct	Introduction to Internet, Benefits of Internet, www Hardware and software requirement for internet
26oct to 31oct	Internet Protocol, Application of internet, Internet Tools - Telnet
2nov to 7nov	FTP, gopher, Archie, WAIS, IRC, Online - Chatting
9nov to 14nov	Messaging and conferencing concepts, Features of internet.
16nov to 21 nov	TEST E mail, Mailing List, Internet addressing ISP, TCP/IP, Homepage.
23 nov to 28 nov	Shell Account, websites, cool Tool, Internet Accessing, Internet Technologies
30 nov to 5 dec	Internet Security, Problems and solutions Overview of internet and its application

7 dec to 12 dec	Web browsers, Search Engines. Categories of Search engine, Searching Criteria, Surfing the Net, HTTP, URL
14 dec to 19 dec	TEST - UNIT - Ist Introduction to HTML
21 dec to 26 dec	Understanding HTML, Create a web page, linking to other web page
28 dec to 2 jan	Publising HTML pages
4 jan to 9 jan	Test and Revision
11 jan to 16 jan	Test alignment and list, Text formatting Font control.
18 jan to 23 jan	E-mail links and links within a page
25 jan to 30 jan	Revision and TEST Creating HTML Pages
1 feb to 6 feb	TEST
8 feb to 13 feb	Creating HTML forms, Creating web pages graphics putting graphics on a webpage
15 feb to 20 feb	Custom Backgrounds & colors Creating Animat Graphics.
22 feb to 27 feb	Webpages Design and layout, Advanced Layout with tables
1 march to 6 march	Revision I & II part 1
8 march to 13 march	Revision I & II part 2
15 march to 20 march	Revision I & II part 3



## UG - Lesson Plan 2020- 2021

PR

Lecturer :	MS. Himanshi , MS. RITIKA
Class with sem :	MSS Final Year (5 <sup>th</sup> Sem)
Subject / Paper :-	HTML, CSS

**Week**

**Topics**

Week	Topics
5oct to 10oct	
12oct to 17oct	
19oct to 24oct	Introduction of HTML
26oct to 31oct	Write a program to use different tags
2nov to 7nov	Uses of Bold, underline, italic etc
9nov to 14nov	Write a program to create heading tags
16nov to 21 nov	Write a program to create a login form
23 nov to 28 nov	Write a program to use Bold and underline tags
30 nov to 5 dec	Write a program to create a table using different tags

7 dec to 12 dec	SOL Introduction.
14 dec to 19 dec	Create table, Insert the Record, Select command
21 dec to 26 dec	Update Command, Modification in the table Delete command
28 dec to 2 jan	Average, Minimum, Maximum commands
4 jan to 9 jan	Count, Sum Command, Absolute command, Power command
11 jan to 16 jan	Round, Square Root Command
18 jan to 23 jan	Lower Command, Upper Command, Substr Command
25 jan to 30 jan	Left Trimming Command
1 feb to 6 feb	Revision
8 feb to 13 feb	Revision Right Trimming Command.
15 feb to 20 feb	Left Paddy Command
22 feb to 27 feb	Right Paddy Command, Revision SOL.
1 march to 6 march	Revision of SOL Command.
8 march to 13 march	Revision of HTML Command
15 march to 20 march	'TEST'

## UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	DR NUTAN SHARMA
Class with sem :	BCA I <sup>st</sup> SEM
Subject / Paper :-	Computer and programming fundamental [BCA-101]

Week	Topics
2 Nov - 7 Nov.	Computer fundamentals: Generations, definition, Block diagram along with its component, characteristics & classifications of computers
9 Nov -14 Nov	Limitations of computers, Human being vs computers. Applications of Computer in various fields & Revision
16 Nov to 21 nov	Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM, cache memory, flash memory.
23 nov to 28 nov	Secondary storage devices: Sequential & direct access devices viz. magnetic tape magnetic disk, optical disk i.e. CD, DVD, VCD
30 Nov to 5 Dec	Unit -I Revision, problem solving Presentation from students & Test of -I <sup>st</sup> unit.
7 Dec to 12 Dec	Computer hardware & software: I/O devices, definition of software, relationship b/w hardware & software.
14 Dec to 19 Dec	Types of software. Overview of Operating System: Definition, functions of operating systems.
21 Dec to 26 Dec	Concept of multiprogramming, multi tasking, multithreading, multiprocessing, time-sharing, real time, single & multi-user O.S.



28 Dec to 2 Jan	Computer viruses: Definition, types of viruses, characteristics of viruses, anti-virus software.
4 Jan to 9 Jan	Problem solving & Revision & Test of Operating system.
11 Jan to 16 Jan	Computer languages: Analogy with natural language, machine language, assembly language, high-level languages.
18 Jan to 23 Jan	Fourth generation languages, compiler, interpreter, assembler, linker, loader, characteristics of a good programming language.
25 Jan to 30 Jan	Planning the Computer programming: Concept of problem solving, problem definition, program design, Debugging, Types of error in programming, Documentation.
1 Feb to 6 Feb	Revision of Languages, structured programming concepts, programming methodologies viz top-down and bottom-up program.
8 Feb to 13 Feb	Advantages & Disadvantages of structured programming. Revision of Unit - III
15 Feb to 20 Feb	Problem solving of unit - III Test of unit - III.
22 Feb to 27 Feb	Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN), Network topologies, Modes of data transmission.
8 March to 13 March	Forms of data transmission, Transmission channels (media), Introduction to internet and its uses.

15 March to 20 March	Application of Internet, Hardware and software requirements for Internet, Intranet, Applications of Int <sup>ernet</sup>
22 March to 26 March	Problem solving / Revision / Test of unit - I
27 March to 31 March	P. <b>Holi Break</b>
1 April to 3 April	Problem solving / Revision / Test of unit - II
5 April to 10 April	Problem solving / Revision / Test of Unit - III
12 April to 16 April	Problem solving / Revision / Test of unit - IV


UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Dr. NUTAN SHARMA
Class with sem :	BCA 1st sem
Subject / Paper :-	PC SOFTWARE [BCA-102]

Week	Topics
2 Nov - 7 Nov.	MS-Windows: operating system-Definition & function, basics of windows, basic components icon, types of icons, taskbar, activating window
9 Nov - 14 Nov	using desktop, title bar, running Applications exploring computer, managing files and folders copying and moving files and folders.
16 Nov to 21 nov	Control panel - Display properties, adding and removing software and hardware, setting date/time, Screensaver and Appearance.
23 nov to 28 nov	using window Accessories. Revision, Test of Unit I
30 Nov to 5 Dec	Documentation using MS-Word - Introduction to word processing interface, Toolbars, Menu Creating & Editing Document, Formatting.
7 Dec to 12 Dec	Find and replace text, Format painter, Header and footer, Drop cap, Auto-text, AutoCorrect, Spelling and Grammar Tool, Document Direction, Page Formatting, Bookmark, Printing & Saving.
14 Dec to 19 Dec	Advance Features of MS-Word Mail Merge, Macros, Tables, File Management, Printing styles, Linking and embedding
21 Dec to 26 Dec	Template. Revision, TEST of Unit II



28 Dec to 2 Jan	Electronic Spread sheet using MS-Excel Introduction to MS-Excel, Cell, Cell address, Creating & Editing worksheet
4 Jan to 9 Jan	Formatting and Essential operations, Moving and copying data in Excel,
11 Jan to 16 Jan	Header and footer, Formulas and functions, charts, cell referencing, Page Setup, Macros, Advance features.
18 Jan to 23 Jan	MS-Excel - Pivot table & Pivot chart, Linking and consolidation, Datasheet Management using Excel - Sorting, Filtering, Valid.
25 Jan to 30 Jan	what if analysis with Goal Seek, conditional formatting, Revision, rest of Unit - III
1 Feb to 6 Feb	Presentation using MS-Power Point: Presentation, Creating, Manipulating & Enhancing slides.
8 Feb to 13 Feb	organizational charts, Excel charts, word Art, Layering out objects, Animation and sounds.
15 Feb to 20 Feb	Inserting Animated Pictures & Accessing through object.
22 Feb to 27 Feb	Inserting Recorded Sound Effect or In-Built Sound effect.
8 March to 13 March	Unit-IV Revision, Problem Solving Presentation from students

15 March to 20 March	Test of UNIT <u>IV</u>
22 March to 26 March	Problem Solving / Revision / Test of Unit - I
27 March to 31 March	 Holi Break
1 April to 3 April	Problem Solving / Revision / Test of Unit - II
5 April to 10 April	Problem Solving / Revision / Test of Unit - III
12 April to 16 April	Problem Solving / Revision / Test of Unit - IV

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Dr. NUTANI SHARMA
Class with sem :	BCA - 1st sem
Subject / Paper :-	PC Software (practical) [BCA-102]
Week	Topics
22 Oct to 24 Oct	Practical of Basic components of windows, icon, types of icons, taskbar, activating window, using desktop, title bar.
26 Oct to 31 Oct	Running application, Managing files and folders, copying and moving files and folders.
3 Nov to 7 Nov	Control panel - display properties, adding and removing software and hardware.
8 Nov to 14 Nov	Setting date and time, screen saver and appearance, using windows accessories.
15 Nov to 21 Nov	Problem solving and Revision of Practical.
22 Nov to 28 Nov	MS- word :- -Creating & editing document - Formatting document, - finding and replacing text.
30 Nov to 6 Dec	working with header and footer, Drop-cap, auto text, auto correct, spelling and grammar tools.
7 Dec to 12 Dec	Dictionary document, page formatting, How to print a document and protecting of document, Bookmark.
14 Dec to 19 Dec	How to create a mail-merge, macros, Tables, file management, printing styles, linking and embedding object, Template.
21 Dec to 26 Dec	MS- excel - Introduction. Cell, cell address, How to create a worksheet & editing on worksheet.



28 Dec to 2 Jan	Moving & Copying data in excel, - Header & Footer - working with formulas and functions,
4 Jan to 9 Jan	- working with charts, cell referencing, page setup, Macros, - How to create pivot table & pivot chart
11 Jan to 16 Jan	Database management using Excel - sorting, filtering, validation, what if analysis with goal seek, conditional formatting
18 Jan to 23 Jan	Problem solving & Revision of unit - III Practical of unit II & III
25 Jan to 30 Jan	MS-powerpoint: Creating, manipulating & enhancing slides, - working with charts
1 Feb to 6 Feb	- working with word art, layering out objects, Animations & sounds
8 Feb to 13 Feb	- Inserting animated pictures or Accessing through object, Inserting Recorded sound effect
15 Feb to 20 Feb	o Inbuilt sound effect. Practical of unit - IV MS powerpoints
22 Feb to 27 Feb	Problem solving & Revision Practical test of unit - I
1 Mar to 6 Mar	Problem solving & Revision Practical Test of unit - II
8 Mar to 13 Mar	Problem solving & Revision Practical Test of unit - III
15 Mar to 20 Mar	Problem solving & Revision Practical Test of unit - IV

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	DR NUTAN SHARMA
Class with sem :	BCA - 5 <sup>th</sup> Sem.
Subject / Paper :-	Data Communication & Networking BCA - [303]

Week	Topics
5 oct to 10 oct	Introduction to computer Communications and Networking Technologies; Uses of Computer Networks; Network devices, Nodes and Hosts; Type of Computer networks,
12 oct to 17 oct.	Network topologies; Network software; Network design issues and protocols; connection-oriented and connectionless services; Network app. and app protocols;
19 oct to 24 oct	Computer communications and Networking Models: Decentralized and centralized systems, Distributed systems, client/server model, peer to peer Model, web-based model,
26 oct to 31 oct	Network Architecture and the OSI Reference model, TCP/IP reference model, Example Networks: The Internet, X.25, Frame Relay, ATM,
02 nov to 7 nov	Problem solving & Revision Test of unit-I
09 nov to 14 Nov	Analog and digital Communications concepts: Concept of data, signal, channel, bit rate, maximum data-rate of channel, Representing data as analog signals
16 nov to 21 nov	Representing data as Digital signals, data rate and Bandwidth, capacity, Band rate, asynchronous and synchronous transmissions, data encoding techniques,

23 nov to 28 nov	Modulation techniques, Digital carrier systems; Guided and wireless Transmission Media; Communication -satellites;
30 nov to 5 Dec	Switching and Multiplexing; Dialup Networking; Analog Modern concepts; DSL services. Revision
7 Dec to 12 Dec	Problem Solving & Revision Test of unit -II
14 Dec to 19 Dec	Data link layer: Framing flow control, Error control; Error detection and correction; sliding window protocols; Media access control;
21 Dec to 26 Dec	Random Access protocols, Token passing protocols; Token Ring; Introduction to LAN Technologies: Ethernet, switched Ethernet;
28 Dec to 2 Jan	VLAN, Fast Ethernet, gigabit ethernet, token ring, FDDI, wireless LAN's; Bluetooth; & Revision
4 Jan to 9 Jan	Network Hardware components: Connectors, Transceivers, Repeaters, Hubs, Network Interface cards and PC cards, Bridges, switches, Routers, Gateways
11 Jan to 16 Jan	Problem solving & Revision Test of unit -III
18 Jan to 23 Jan	Network layer and Routing concepts; Virtual circuits and datagrams; Routing Algorithms: Flooding, shortest path routing
25 Jan to 30 Jan	Congestion control algorithms, Interworking; Networking security Issues: Introduction



1 Feb to 6 Feb	Security threats; Encryption methods; Authentication;
8 Feb 13 Feb	Symmetric key algorithms; Public-key algorithms Revision
15 Feb to 20 Feb	Problem solving & Revision Test of unit-II
22 Feb 27 Feb	Problem solving & Revision Test of unit-I
1 March to 6 March	Problem solving & Revision Test of unit-II
8 March to 13 March	Problem solving & Revision Test of unit-III
15 March to 20 March	Problem solving & Revision Test of unit-IV

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	DR NUTAN SHARMA
Class with sem :	BCA - 5 <sup>th</sup> Sem
Subject / Paper :-	Visual Basic (BCA-304)

Week	Topics
5 oct to 30 oct	Introduction to VB: Visual & non-visual Programming, Procedural, object-oriented and event-driven programming languages.
12 oct to 17 oct.	The VB environment: Menu bar, Toolbar, Project explorer, Toolbar, properties window, Form designer, Form
19 oct to 24 oct	layout, Immediate window, Visual Development and Event Driven programming.
26 oct to 31 oct	Problem Solving & Revision Test of UNIT - I
02 nov to 7 nov	Basic of Programming Variables: Declaring variables, Types of variables, Converting variables types, User-defined
09 nov to 14 Nov	data types, Forcing variable declaration, scope & lifetime of variables. Constants: Named & intrinsic. Operators. I/O in
16 nov to 21 nov	VB: Various controls for I/O in VB, message box, Input Box, Print statement Operators: Arithmetic, Relational & logical

23 nov to 28 nov	Problem solving & Revision Test of UNIT - II
30 nov to 5 Dec	Presentation of UNIT - I
7 Dec to 12 Dec	Programming with VB: Decisions and conditions: If statement, If-then-else, select-case. Looping statements: Do-
14 Dec to 19 Dec	loops, For-next, while-wend, Exit statement. Nested control structures. Arrays: Declaring and using arrays, one-dimensional and
21 Dec to 26 Dec	multi-dimensional arrays, static & dynamic arrays, Arrays of array. Collections: Adding, Removing,
28 Dec to 2 Jan	Counting, Returning items in a collection, Processing a collection
4 Jan to 9 Jan	Problem solving & Revision Test of UNIT - III
11 Jan to 16 Jan	Presentation of UNIT - II & III
18 Jan to 23 Jan	Programming with VB: Procedures: General & event procedures, subroutines, Functions, calling procedures. Arguments-passing
25 Jan to 30 Jan	mechanisms, optional arguments, Named arguments, Functions returning custom data types, Functions returning arrays.



1 Feb to 6 Feb	Working with forms and menus: Adding multiple forms in VB, Hiding & showing forms, load & unload statements, creating
8 Feb 13 Feb	menu, submenu, popup menus, Activate & deactivate events, form-load event, menu designing in VB simple programs in VB.
15 Feb to 20 Feb	Presentation of UNIT - IV.
22 Feb 27 Feb	Problem solving & Revision Test of UNIT - I
1 March to 6 March	Problem solving & Revision Test of UNIT - II
8 March to 13 March	Problem solving & Revision Test of UNIT - III
15 March to 20 March	Problem solving & Revision Test of UNIT - IV

UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Dr. Preeti
Class with sem :	BCA I SEM
Subject / Paper :-	Logical Organization of Computer [BCA-104]

Week	Topics
2 Nov - 7 Nov.	Information Representation - Number Systems, Binary Arithmetic
8 Nov - 14 Nov	Fixed-point and Floating-point representation of numbers.
16 Nov to 21 Nov	BCD codes, Error detecting and correcting codes.
23 Nov to 28 Nov	Character Representation - ASCII, EBCDIC, Unicode
30 Nov to 5 Dec	Binary Logic :- Boolean Algebra, Boolean Theorems.
7 Dec to 12 Dec	Boolean Functions and Truth Tables. Canonical and Standard forms
14 Dec to 19 Dec	Simplification of Boolean Functions - Ven n Diagrams
21 Dec to 26 Dec	Karnaugh Maps, Revision and Problem Solving

28 Dec to 2 Jan	Practical Test of UNIT-I
4 Jan to 9 Jan	Digital Logic:- Introduction to digital signals.
11 Jan to 16 Jan	BASIC Gates - AND, OR, NOT, Universal Gates
18 Jan to 23 Jan	Universal Gates and implementation - NAND, NOR
25 Jan to 30 Jan	Other Gates - XOR, XNOR etc. NAND, NOR,
1 Feb to 6 Feb	AND- OR- INVERT and OR- AND - INVERT
8 Feb to 13 Feb	Implementations of digital circuits. Combinational Logic - Characteristic
15 Feb to 20 Feb	Design Procedures, analytic Procedures, Multilevel NAND
22 Feb to 27 Feb	NOR circuits AND Revision-
8 March to 13 March	Combinational Circuits - Half- Adder, Full- Adder, Half subtractor.



15 March to 20 March	Full subtractor, Parallel binary adder/subtractor, Encoder
22 March to 26 March	Decoder, Multiplexers, Demultiplexers, Comparators, Code converters.
27 March to 31 March	Holi Break
1 April to 3 April	BCD to Seven - segment Decoder, Revision.
5 April to 10 April	Problem solving & Practical test of UNIT III
12 April to 16 April	Problem solving & Practical test of UNIT IV

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr NUTAN SHARMA
Class with sem :	BCA V SEM
Subject / Paper :-	VISUAL BASIC (304)

Week	Topics
5 oct to 10 oct	Introduction to VB : visual & non-visual programming, Procedural, Object-oriented and event-driven Programming Languages.
12 oct to 17 oct.	The VB Environment: Menu Bar, Tool Bar, Project explorer, Toolbox Properties windows, Form Designer,
19 oct to 24 oct	Form layout immediate window. Visual Development and event-driven Programming. Basic of Programming
26 oct to 31 oct	Variables: Declaring variables, Types of variables, converting variables types, user defined data-types.
02 nov to 7 nov	Forcing variable declaration, scope & lifetime of variables, Constants: Named & intrinsic.
09 nov to 14 Nov	operators: Arithmetic, Relational & logical operators. 9/0 in VB
16 nov to 21 nov	various control for 9/0 in VB, Message Box, Input Box, InputBox

23 nov to 28 nov	Print statement. Programming with VB: decisions and conditions of statement, If then-else
30 nov to 5 Dec	Nested control structures. Arrays Declaring and using arrays, one
7 Dec to 12 Dec	dimensional and multi-dimensional arrays, static & dynamic array.
14 Dec to 19 Dec	Arrays of array. Collections: Adding Removing, Counting
21 Dec to 26 Dec	Returning items in a collection.
28 Dec to 2 Jan	Processing a collection.
4 Jan to 9 Jan	Problem solving & Revision Test of unit -I
11 Jan to 16 Jan	Problem solving & Revision Test of unit -II
18 Jan to 23 Jan	Programming with VB: Procedures: General and Event procedures.
25 Jan to 30 Jan	Sub-routines, Functions, calling procedure, Arguments.



1 Feb to 6 Feb	Passing Mechanisms, optional arguments, Named Arguments,
8 Feb 13 Feb	Functions returning custom data types, Functions Returning Form.
15 Feb to 20 Feb	Working with forms and menus! Adding multiple forms in vb.
22 Feb 27 Feb	Hiding and showing forms, Load & Unload statement,
1 March to 6 March	creating menu, submenu, popup menus, Activate & deactivate
8 March to 13 March	events, Form load event,
15 March to 20 March	Menu designing in VB simple Programs in VB.

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr Preeti
Class with sem :	BCA III SEM
Subject / Paper :-	Based on 203 and 202

Week	Topics
5 oct to 10 oct	Data structure operations, Application of data structures. Algorithm complexity
12 oct to 17 oct.	Time Space trade off, Big O-notation. String operations. Pattern matching algorithms.
19 oct to 24 oct	Representation of linear array in memory, address calculation, Traversal
26 oct to 31 oct	Insertion, Deletion, Searching in a linked list, Header linked list
02 nov to 7 nov	Circular linked list. Two-way linked list, Threaded list.
09 nov to 14 Nov	Garbage collection, Array and linked representation of stacks.
16 nov to 21 nov	Operation on stacks, Polish notation, Recursion

23 nov to 28 nov	Array and linked representation of queues. Operations on queues.
30 nov to 5 Dec	Dequeues, Priority queues, Application of queues.
7 Dec to 12 Dec	Representing Binary tree in memory, traversing binary tree.
14 Dec to 19 Dec	Traversal algorithms using stack, Sequential and Linked Representation
21 Dec to 26 Dec	Records and files. Database Approach, Data Base Management System.
28 Dec to 2 Jan	Data and database Administrator, Database designers, Application Developer
4 Jan to 9 Jan	Three level of Architecture, External, Conceptual and Internal levels
11 Jan to 16 Jan	Schemas, Mappings and Instances. Logical and Physical Data independence.
18 Jan to 23 Jan	Centralized and Client Server architecture of DBMS.
25 Jan to 30 Jan	Record-based Data Models, Object-based Data Models.



1 Feb to 6 Feb	Relationship instances of ER diagrams, abstraction and integration.
8 Feb 13 Feb	Hierarchical and Network data Model, Relational Data Model.
15 Feb to 20 Feb	Relational Data Structure, Database Relations.
22 Feb 27 Feb	Keys, Domains, Integrity Constraints over Relations.
1 March to 6 March	Relational calculus, Relational database design - Functional dependencies
8 March to 13 March	1st to 3rd NFs, BCNF, 4th and 5th NFs, SQL - Data types,
15 March to 20 March	Basic Queries in SQL, Insert, delete and Update statements, Views.

**Lesson Plan from October - 2020 to March - 2021**

Lecturer :	Dr NUTANI SHARMA
Class with sem :	BCA - IIIrd Sem
Subject / Paper :	Operating system [BCA-301]

Week	Topics
22 Oct to 24 Oct	Introduction to operating system; Its need and operating system services, early systems, structures - simple Batch.
24 Oct to 31 Oct	Multi-programmed, timeshared, personal computer, parallel, Distributed system.
1 Nov to 7 Nov	Real-time systems Revision of operating systems.
7 Nov to 14 Nov	Process management: process concepts, operation of processes, cooperating processes Threads and Inter-process communication.
14 Nov to 21 Nov	Revision of unit-I & Problem solving Test of unit - I
21 Nov to 28 Nov	CPU Scheduling: Basic concepts, scheduling criteria, scheduling algorithms: FCFS, SJF, Round Robin.
28 Nov to 5 Dec	Queue algorithms Deadlocks: Deadlock characteristics.
7 Dec to 12 Dec	Methods for handling deadlocks, Review of CPU scheduling.
14 Dec to 19 Dec	Banker's algorithm & problem solving
21 Dec to 28 Dec	Revision of unit-II Test of unit - II

25 Dec to 2 Jan	Memory management: Logical versus physical address space, swapping,
4 Jan to 9 Jan	Contiguous allocation, paging, segmentation.
11 Jan to 16 Jan	Virtual Memory: Demand paging, Performance of Demand paging, page replacement, P.R algorithms, Thrashing
18 Jan to 23 Jan	Problem solving & Revision of unit-II Test of unit-III
25 Jan to 30 Jan	File management: file management system structure, Allocation methods: Contiguous, linked, Indexed allocation
1 Feb to 6 Feb	Free space management: Bit vector, linked list, grouping counting.
8 Feb to 13 Feb	Device Management: Disk structure, Disk scheduling: FCFS, SSTF, SCAN, C-SCAN
15 Feb to 20 Feb	LOOK, C-LOOK disk scheduling. Problem solving & Revision of unit-IV
22 Feb to 27 Feb	Problem solving & Test of unit-I
1 Mar to 6 Mar	Problem solving & Test of unit-II
8 Mar to 13 Mar	Problem solving & Test of unit-III
15 Mar to 20 Mar	Problem solving & Test of unit-IV



UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	DR. PREETI
Class with sem :	BCA- 3rd Sem.
Subject / Paper :-	Data Structure - I [BCA-202]

Week	Topics
5 oct to 10 oct	Introduction, Elementary Data Organisation, Data Structure Definition, Data types vs Data Structure, Categories of Data Structure
12 oct to 17 oct.	Data Structure operations, Applications of data structure & Revision.
19 oct to 24 oct	Algorithm complexity and time-space tradeoff, Big-O notations.
26 oct to 31 oct	Introduction of strings, storing strings, string operations, Pattern Matching Algorithms
02 nov to 7 nov	Unit - I Revision, Problem solving Presentation from students & Test of 1st Unit.
09 nov to 14 Nov	Introduction of Array, Linear Arrays, Representation of linear Array in Memory, Address calculations
16 nov to 21 nov	Traversal, Insertions & Deletion in an Array & Revision of Array.

23 nov to 28 nov	Multidimensional Array. Introduce Parallel Arrays, Sparse arrays. Problem solving of Array.
30 nov to 5 Dec	Introduction of linked list, Difference b/w Array & linked list, Representation of linked list in memory.
7 Dec to 12 Dec	Traversal, Insertion, Deletion & Searching operations in a linked list.
14 Dec to 19 Dec	Introduce Header linked list, Circular linked list, Two-way linked list, Threaded lists, Garbage collection Application of linked list.
21 Dec to 26 Dec	Problem solving & Revision & Test of linked list. Introduction of Stack & representations.
28 Dec to 2 Jan	Array & linked representations of stack in memory. Operations on stack Applications of stacks: - Polish notation, Recursion Quick sort.
4 Jan to 9 Jan	Problem solving of stack & Revision & Test of stack
11 Jan to 16 Jan	Introduction of Queue, Array & linked Representation of queues, Operations on queue, Dequeue.
18 Jan to 23 Jan	Priority Queues, Applications of queue, Problem solving, Revision & Test of queue.
25 Jan to 30 Jan	Introduction of Tree, Representation Binary tree in memory. Traversing Binary Tree. (Pre-order, In-order, Post-order)

1 Feb to 6 Feb	Traversal algorithm using stacks of trees. Problem solving, Revision & Test of Tree
8 Feb 13 Feb	Introduction of Graph and Graph Theory terminology in detail with example.
15 Feb to 20 Feb	Sequential & linked representation of graphs. Problem solving of Graph & Revision.
22 Feb 27 Feb	Problem solving/Revision/ Test of Unit-I
1 March to 6 March	Problem solving / Revision / Test of Unit-II
8 March to 13 March	Problem solving / Revision / Test of Unit-III
15 March to 20 March	Problem solving / Revision / Test of Unit-IV



UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	DR. PREETI
Class with sem :	BCA - 3rd Sem.
Subject / Paper :-	Data Base Management System [BCA-203]

Week	Topics
5 oct to 10 oct	Basic Concepts - Data, Information, Records and files, Traditional file-based system, file based approach, Advantages and Disadvantages of data base systems.
12 oct to 17 oct.	Components of database system. Database management system, components of DBMS Environment, DBMS functions and components.
19 oct to 24 oct	DBMS users, Advantages and Disadvantages of DBMS, DBMS Languages, Revision
26 oct to 31 oct	Roles in the Database Environment - Data and Database Administrator, Database Designers
02 nov to 7 nov	Developers & Users in the Database Environment. Problem Solving of Unit-I & Revision & Test of Unit-1
09 nov to 14 Nov	Database System Architecture - 3 levels of Architecture, External, Conceptual and Internal levels, Schemas, mapping & Instances
15 nov to 21 nov	Data Independence - Logical & Physical Data Independence. Classification of Database management systems.

23 nov to 28 nov	Centralized and client server architecture to DBMS. Introduce Data Models - Relocals-based Data Models, object based Data Models
30 nov to 5 Dec	Physical data models & Conceptual Modeling. Problem solving & Revision & Test of Unit-II
7 Dec to 12 Dec	Entity-Relationship Model - Entity Types, Entity Sets, Attributes Relationship Types.
14 Dec to 19 Dec	Relationship Instances and ER Diagrams Abstraction & Integration. Revision.
21 Dec to 26 Dec	Basic concepts of Hierarchical & Network Data Model, Relational Data Model - Brief History.
28 Dec to 2 Jan	Relational Model Terminology - Relational Data Model (Structure), Database Relations, Properties of Relations, Keys, domains
4 Jan to 9 Jan	Integrity Constraints over Relations Problem Solving, Revisions Test of Unit-III
11 Jan to 16 Jan	Relational Algebra, Relational Calculus, Relational database design - functional Dependencies, Modification anomalies.
18 Jan to 23 Jan	1st to 3rd Normal Forms in Normalization, 4NF, BCNF, 5th NF Computing closures of set FDs.
25 Jan to 30 Jan	Problem Solving of Normalisation Revision & Test of Normal forms.

1 Feb to 6 Feb	SQL - Introduction & Data Types Basic Queries of SQL, Insert, Delete, Update statements, views.
8 Feb 13 Feb	Query Processing - General strategies of query processing, query optimization, query processor, concept of security.
15 Feb to 20 Feb	Concurrency & Recovery. Problem Solving / Revision / test of SQL & Query Processing.
22 Feb 27 Feb	Problem solving / Revision / Test of Unit-I
1 March to 6 March	Problem solving / Revision / Test of Unit-II
8 March to 13 March	Problem solving / Revision / Test of Unit-III
15 March to 20 March	Problem solving / Revision / Test of Unit-IV



UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr. PREETI
Class with sem :	BCA- 5 <sup>th</sup> sem
Subject / Paper :-	Management Information Systems [BCA-301]

Week	Topics
5 oct to 10 oct	Introduction to systems and Basic system concepts. Types of Systems The Systems Approach.
12 oct to 17 oct.	Information System :- Definition & characteristics, Types of Information Revision
19 oct to 24 oct	Role of Information in Decision-making, sub-systems of an Information System :- EOP and MIS management levels
26 oct to 31 oct	EOP/MIS/DSS - Problem Solving and Revision. Test of Unit-I
02 nov to 7 nov	An Overview of Management Information System. Definition & characteristics, components of MIS, framework for MIS
09 nov to 14 Nov	Information requirements & levels of management, Simon's Model of decision-Making
16 nov to 21 nov	Structured & Un-structured decisions formal and Informal Systems. Difference between them.

23 nov to 28 nov	Problem solving / Revision / Test of Unit-2 .
30 nov to 5 Dec	Introduce developing Information systems:- Analysis & Design of Information systems.
7 Dec to 12 Dec	Implementation & Evaluation, Pitfalls In MIS Development . Problem Solving.
14 Dec to 19 Dec	Problem solving / Revision / Test of Unit-I
21 Dec to 26 Dec	functional MIS - A study of Personnel financial and Production MIS
28 Dec to 2 Jan	Introduction to e-business systems E-commerce - technologies
4 Jan to 9 Jan	E-commerce - applications, technologies Problem solving / Revision.
11 jan to 16 jan	Test of Unit - II Introduce Decision Support Systems.
18 jan to 23 jan	Decision support system for Planning, control and decision-making
25 jan to 30 Jan	Problem solving & Revision.

1 Feb to 6 Feb	Revision & Test of Unit-III
8 Feb 13 Feb	Revision & Test of Unit-IV
15 Feb to 20 Feb	Presentation of Unit-I & Revision
22 Feb 27 Feb	Presentation of Unit-II & Revision
1 March to 6 March	Presentation of Unit-III & Revision
8 March to 13 March	Presentation of Unit-IV & Revision
15 March to 20 March	Problem Solving of Unit-I, II, III, IV



UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	DR. PREETI
Class with sem :	BCA - 5 <sup>th</sup> sem
Subject / Paper :-	Computer Graphics [BCA-302]

Week	Topics
5 oct to 10 oct	Introduction of Computer Graphics, Basic of Graphics systems, Application areas of Computer Graphics, Graphics Primitive
12 oct to 17 oct,	Overview of Graphics System, Video display devices and raster scan systems, Random scan system and Revision
19 oct to 24 oct	Graphics Monitor and Workstations and input devices Problem Solving and Revision
26 oct to 31 oct	Points and lines description, line drawing algorithms, mid-point circle and ellipse algorithm
02 nov to 7 nov	filled area primitives, scan line polygon fill algorithm, boundary fill and flood-fill algorithm.
09 nov to 14 Nov	Problem Solving / Revision / Test of Unit-I.
16 nov to 21 nov	2-15 Geometrical Transformations :- Translation, Scaling, Rotation, Reflection and Shear Transformations.

23 nov to 28 nov	Matrix representations and homogeneous coordinates, composite transforms, transformations between co-ordinate systems.
30 nov to 5 Dec	Problem solving / Revision Introduce viewing pipeline, viewing coordinate reference frame, window-to-viewport coordinate transformations.
7 Dec to 12 Dec	Viewing functions, Cohen-Sutherland and Cyrus-beck line clipping Algorithms.
14 Dec to 19 Dec	Sutherland-Hodgeman polygon clipping algorithm. Problem solving Revision / Test of Unit-2
21 Dec to 26 Dec	3-D Object Representation:- Polygon Surfaces, Quadric surfaces, spline representation, Hermite Curve.
28 Dec to 2 Jan	Bezier Curve and B-spline curves Bezier and B-spline surfaces - Basic Illumination models.
4 Jan to 9 Jan	Polygon - rendering methods. Problem solving & Revision
11 Jan to 16 Jan	Test of 3-D object Representation. 3-D Geometric Transformations - Translation
18 Jan to 23 Jan	3-D Geometric Transformation - rotation, scaling reflection and shear transformation.
25 Jan to 30 Jan	Composite Transformations. Problem Solving and Revision. Test of 3-D Geometric Transformations.

1 Feb to 6 Feb	Introduce 3-D viewing, Viewing pipeline, viewing coordinates, view volume and general projection
8 Feb 13 Feb	General projection transforms and Clipping. Problem Solving & Revision
15 Feb to 20 Feb	Revision of Unit-I, 2, 3, 4 Problem Solving
22 Feb 27 Feb	Problem Solving & Test of Unit-I
1 March to 6 March	Problem Solving & Test of Unit-II
8 March to 13 March	Problem Solving & Test of Unit-III
15 March to 20 March	Problem Solving & Test of Unit-IV



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UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Miss Megha, Ms. Sonu Sharma
Class with sem	B.Sc. 1st year 1st Sem
Subject/ Paper	Botany (Diversity of Microbes (BOT-1))
Week	Topics
2 Nov to 7 Nov	Bacteria structure, nutrition, reproduction and Economic importance, cyanobacteria general account
9 Nov to 14 Nov	life cycle of Nostoc, algae general character classification up to Nostoc upto Economic importance
16 Nov to 21 Nov	Importance features and life history of volvox Importance features and life history of scenedesmus (centrophyceae)
23 Nov to 28 Nov	Importance features and life history of vaucheria (xanthophyceae)
30 Nov to 5 Dec	Importance features and life history of Ectocarpus (Phaeophyceae) - Importance features and life history of polydipnomia (Rhodophyceae)
7 Dec to 12 Dec	Virus general account included TMV and Bacteriophage, general character of fungi
14 Dec to 19 Dec	classification of fungi up to class, economic importance of fungi, general account of lichens

21 Dec to 28 Dec	Importance features and life history of Rhizopus (Mastigomycotina). Important features of Mucor.
28 Dec to 2 Jan	Important features and life history of Penicillium (Ascomycotina). Important features and life history of Agaricus.
4 Jan to 9 Jan	Important features and life history of Colletotrichum (Deuteromycotina).
11 Jan to 16 Jan	Revision of unit-1 and unit-2 (Section-1+2)
18 Jan to 23 Jan	Bacteria structure, nutrition, reproduction and Economic importance, cyanobacteria general account
25 Jan to 30 Jan	Life cycle of Nostoc, algae general character classification up to class Economic importance.
1 Feb to 6 Feb	Importance features and life history of Volvox. Importance feature and life history of Oodinium ciliophyceae.
8 Feb to 13 Feb	Importance feature and life history of Vaucheria Xanthophyceae.
15 Feb to 20 Feb	Importance feature and life history of Ectocarpus (Phaeophyceae). Importance feature and life history of polysiphonia (Rhodophyceae).

22 Feb to 27 Feb	Write general account including TMV and Bacteriophage, general character of fungi.
1 March to 8 March	Classification of fungi upto class, Economic importance of fungi. general account of lichens.
8 March to 13 March	Important feature and life history of Phytophthora (Mastigomycotina). Important feature of Mucor.
15 March to 20 March	Important feature and life history of Penicillium (Ascomycotina); Important feature and life history of Agaricus (Basidiomycotina)
22 March to 27 March	Important feature and life history of Agaricus, Colletotrichum (Deuteromycotina)
28 March to 31 March	Holi Break
1 April to 3 April	Revision of unit-1 and unit-2 class Test of unit 1 & unit-2 (section A & B section)
5 April to 10 April	Revision of unit-3 and unit-4 class Test of unit 3 & unit-4 (section A & B section)
12 April to 16 April	Assignment Seminar of (1-50) student Seminar of (51-90) student



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Miss Megha, Miss Varsha
Class with sem	B.Sc. 1st year 1st sem
Subject/ Paper	Cell Biology B+T(1+2) Botany
Week	Topics
2 Nov to 7 Nov	Structure and function of cell wall Structure and function of plasma Membrane
9 Nov to 14 Nov	Structure and function of Golgi apparatus structure and function of Endoplasmic Reticulum · Structure and function lysosomes
16 Nov to 21 Nov	Structure and function of peroxisomes and vacuoles ultra structure and function of chloroplast
23 Nov to 28 Nov	ultrastructure and function of Mitochondria ultra structure and function of Nucleus and Nucleolus
30 Nov to 5 Dec	Morphology and ultra structure of chromosome - Kinetochora, centrosome and telomere
7 Dec to 12 Dec	General Account of cell cycle · Revision of cell cycle regulation of cell cycle
14 Dec to 19 Dec	Cell division of Mitosis and its Significance · Cell division of Meiosis and its Significance

21 Dec to 26 Dec	Revision of unit-1 Test of unit-1
28 Dec to 2 Jan	Revision of unit-2 Test of unit-2
4 Jan to 9 Jan	General account of chromosomal aberration. Structural & Numerical Aberrations.
11 Jan to 16 Jan	Deletion, Duplication, Translocation Inversion, aneuploidy, polyploidy Revision of Chromosomal Aberration
18 Jan to 23 Jan	Structure and function of cell wall Structure and function of plasma membrane
25 Jan to 30 Jan	Structure and function of Golgi apparatus Structure and function of endoplasmic reticulum, structure and function lysosome
1 Feb to 6 Feb	Structure and function of peroxisomes and vacuoles ultrastructure and function of chloroplast
8 Feb to 13 Feb	ultrastructure and function of mitochondria ultrastructure and function of Nucleus and Nucleolus
15 Feb to 20 Feb	Morphology and ultrastructure of Chromosome - kinetochore, centromere and telomere

22 Feb to 27 Feb	General account of Cell cycle. Revision of cell cycle regulation of Cell cycle.
1 March to 6 March	Cell division of mitosis and its significance. Cell division of Meiosis and its significance.
8 March to 13 March	General account of chromosomal aberration - structural and Numerical aberration.
15 March to 20 March	Deletion, Duplication, Translocation Inversion, aneuploidy, polyploidy Revision of chromosomal aberration.
22 March to 27 March	Sex chromosome, and sex determination in plant with different Example.
28 March to 31 March	Holi Break
1 April to 3 April	Revision of unit-1 + 2 class Test of unit-1 + 2 (Section-1 & 2)
5 April to 10 April	Revision of unit-3 + 4 class Test of unit-3 + 4 (Section 0 & 1 & 2)
12 April to 16 April	Seminar of (1-50) student Seminar of (51-98) student Assignment



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Ms Megha, Ms. Sonu Sharma

Class with sem

B.Sc 1st Year 1st Sem

Subject/ Paper

Practical Botany (1st Sem)

Week

Topics

2 Nov to 7 Nov

Identify, classified and write short morphological note - Noctoc, volvox, oedogonium, Vaucheria, Ectocarpus, Polysiphonia

9 Nov to 14 Nov

Revision of all Algae slide with morphological character

16 Nov to 21 Nov

Identify, classified and write short morphological note - oedogonium, Vaucheria, Ectocarpus

23 Nov to 28 Nov

Revision of all Algae slide with morphological character

30 Nov to 5 Dec

To identify, classified and write short morphological note giving diagram pythophthora, ruccor

7 Dec to 12 Dec

To identify, classified and write short morphological note given diagram penicillium, Puccinia

14 Dec to 19 Dec

To identify, classified and write short morphological note given diagram - Agaricus, Colletotrichum.

21 Dec to 26 Dec	<p>To study the following diseases in plant late blight of potato</p> <p>Black stem rust of wheat 1,2</p>
28 Dec to 2 Jan	<p>To study the following diseases in plant Tikka disease of Groundnut</p> <p>Red rot of Sugarcane</p>
4 Jan to 9 Jan	<p>To write short morphological note on lichens and slide of lichens</p>
11 Jan to 18 Jan	<p>Revision of All slide of algae, Bacteria, Morphological character.</p>
18 Jan to 23 Jan	<p>Identify, classified and write short morpho- logical note - <u>Nostoc</u>, <u>Nostox</u>, <u>Oedogonium</u>, <u>Vaucheria</u>, <u>Ectocarpus</u>, <u>Polysiphonia</u></p>
25 Jan to 30 Jan	<p>Revision of all the Algae slide morphological character</p>
1 Feb to 6 Feb	<p>Identify, classified and write short morpho- logical note - <u>Oedogonium</u>, <u>Vaucheria</u>, <u>Ectocarpus</u></p>
8 Feb to 13 Feb	<p>Identify, classified and write short, morphological note - <u>Polysiphonia</u></p>
15 Feb to 20 Feb	<p>Revision of all algae slide with morphological character.</p>

22 Feb to 27 Feb	To identify, classified and write short morphological note giving diagram - <u>Phytophthora</u> , <u>Mucor</u>
1 March to 6 March	To identify, classified and write short morphological note giving diagram - <u>Penicillium</u> , <u>Puccinia</u> .
8 March to 13 March	To identify, classified and write short morphological note giving diagram - <u>Agaricus</u> , <u>Colletotrichum</u> .
15 March to 20 March	To study the following diseases in plant - late blight of potato - Black stem rust of wheat 1, 2
22 March to 27 March	To study the following diseases in plant - Tikka diseases of groundnut - Red rot of sugarcane.
28 March to 31 March	<b>Holi Break</b>
1 April to 3 April	To write short morphological note on lichens and slide of lichen.
5 April to 10 April	Revision of all slide of algae, Bacteria, morphological characters.
12 April to 16 April	Revision of all slide of fungi, Bacteria plant pathology, morphological characters.



UG-Lesson Plan from Oct 2020 to March 2021

Lecturer

Miss Sonu Sharma

Class with sem

Bsc 2nd year, 3rd Sem

Subject/ Paper

Botany / Paper 3.1

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

Introduction of Gymnosperms,  
General characters of Gymno-  
sperms

19 Oct - 24 Oct

origin and evolution of  
Gymnosperms.

26 Oct - 31 Oct

Geological time table, evolution  
of seed habit

2 Nov - 7 Nov

Pidgeon and Melchior's (1954) system of  
classification of Gymnosperms Intro-  
duction of Palaeobotany & fossils  
Types of fossils, fossilization (Process  
involved, types of fossils and import-  
ance of fossils)

16 Nov - 21 Nov

	Reconstruction of the following fossils plants: <u>Lyginopteris</u> , <u>Williamsonia</u> & <u>Cycadeoidea</u> (Bennettites)
23 Nov - 28 Nov	Morphology of root, stem, leaf/leaflet of <u>cycas</u> , Economic importance of <u>cycas</u>
30 Nov - 5 Dec	Mode of Reproduction, Anatomy of root, stem, leaf/leaflet of <u>Cycas</u>
7 Dec - 12 Dec	Life-cycle of <u>Cycas</u> , Morphology of root, stem, leaf/leaflet of <u>Pinus</u>
14 Dec - 19 Dec	Anatomy of root, stem, leaf/leaflets of <u>Pinus</u>
21 Dec - 26 Dec	Mode of Reproduction and life-cycle of <u>Pinus</u> , Economic importance of <u>Pinus</u> , Morphology and Anatomy of Root stem, leaf/leaflet and reproductive parts of <u>Ephedra</u> .
28 Dec - 2 Jan	Mode of Reproduction and life-cycle of <u>Ephedra</u> , Economic importance of <u>Ephedra</u> and Gymnosperms
4 Jan - 9 Jan	Introduction and General characters of Angiosperms, origin of Angiosperms.
11 Jan - 16 Jan	
18 Jan - 23 Jan	

25 Jan - 30 Jan	Evolution of Angiosperms, Revision (unit 1)
1 Feb - 6 Feb	Revision (unit 2), Test for unit 1 + unit 2 Seminar
8 Feb - 13 Feb	Assignment (viva) - Sec I + Sec 2
15 Feb - 20 Feb	Seminar
22 Feb - 27 Feb	Seminar
1 Mar - 6 Mar	Seminar
8 Mar - 13 Mar	Full syllabus test (Sec I + Sec II), test discussion
15 Mar - 20 Mar	



UG-Lesson Plan from oct 2020 to March 2021  
 Lecturer: Miss Sonu Sharma  
 Class with sem: BSc 2nd year, 3rd Sem  
 Subject/ Paper: Botany / Paper 3-2

Week	Topics
5 Oct - 10 Oct	
12 Oct - 17 Oct	Introduction of tissue and types of tissues.
19 Oct - 24 Oct	Meristematic and permanent (simple, secretory) tissues.
26 Oct - 31 Oct	Permanent (complex) tissue, Introduction of tissue system (epidermal, ground)
2 Nov - 7 Nov	Vascular tissue system, shoot system shoot apical meristem and its histological organisation.
9 Nov - 14 Nov	Cambium - Introduction, structure & functions of cambium, Introduction of secondary growth.
16 Nov - 21 Nov	

23 Nov - 28 Nov	Secondary growth in dicot stem, characteristics of growth rings, sap wood and heart wood.
30 Nov - 5 Dec	Pecidant, Introduction of Anomalous $\alpha^{\circ}$ growth, Anomalous $\alpha^{\circ}$ growth in <u>Dryasena</u> & <u>Baccharia</u> .
7 Dec - 12 Dec	Anomalous $\alpha^{\circ}$ growth in <u>Achyranthes</u> , Leaf: - Introduction, types of leaves (simple & compound), Phyllotaxy
14 Dec - 19 Dec	Epidermis - uniciliate and multiciliate, epidermal appendages and their morphological types.
21 Dec - 26 Dec	Anatomy of typical monocot and dicot leaf and cell inclusions in leaves, leaf abscission.
28 Dec - 2 Jan	Introduction of stomatal apparatus and their morphological types, Introduction of Root system.
4 Jan - 9 Jan	Root apical meristem, histological organization, $\alpha^{\circ}$ growth in dicot root.
11 Jan - 16 Jan	Introduction of structural modifications structural modifications in roots: storage (Beta), Respiratory (Rhizophora) structural modification in Epiphytic root (vanda)
18 Jan - 23 Jan	Revision.

25 Jan - 30 Jan	Revision of unit 1, Doubt clearing session.
1 Feb - 6 Feb	Revision of unit 2, Doubt clearing session.
6 Feb - 13 Feb	Test - unit 1 + unit 2 + Test distribution + discussion
15 Feb - 20 Feb	Assignment (viva) for section 1 + sec. 2
22 Feb - 27 Feb	Seminar
1 Mar - 6 Mar	Seminar
8 Mar - 13 Mar	
15 Mar - 20 Mar	full syllabus test (sec 1+2)



UG-Lesson Plan from oct 2020 to March 2021

Lecturer  
Class with sem  
Subject/ Paper

Miss Sonu Shamma, Miss Varsha  
Bsc 2nd year  
Botany Practical (3rd sem)

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

19 Oct - 24 Oct

26 Oct - 31 Oct

2 Nov - 7 Nov

9 Nov - 14 Nov

16 Nov - 21 Nov

To cut the transverse sections of the given plant material and write a short morphological note - Cycas (T.S. of normal root, cauloid root, T.S. of young, old stem & growth in normal root, T.S. of rachis, T.S. of leaflet.

Male cone, megastrobophyll, L.S. of mature ovule, L.S. of seed

Pinus :- T.S. of young root, t. s. root showing  $\alpha^{\circ}$  growth, T.S. of young stem.

T.S. of old stem showing  $\alpha^{\circ}$  growth  
RLS of Pinus stem, T.S. of Pinus stem

- T.S. of needle, L.S. of male cone, female cone, L.S. of mature ovule, L.S. of seed of Pinus
- 23 Nov - 28 Nov Ephedra - T.S. of young root, t.s. of young stem, T.S. of root showing  $\alpha^{\circ}$  growth.
- 30 Nov - 5 Dec Ephedra - T.S. of leaf, L.S. of microsporophyll female strobili.
- 7 Dec - 12 Dec Ephedra - L.S. of ovule showing female gametophyte, L.S. of seed.
- 14 Dec - 19 Dec To study following from permanent slides - Parenchyma, collenchyma, Sclerenchyma, Aerenchyma, Sclereids, xylem, Phloem, stomata
- 21 Dec - 26 Dec  $\alpha^{\circ}$  growth in dicot stem.
- 28 Dec - 2 Jan  $\alpha^{\circ}$  growth in dicot root, monocot root, monocot leaf
- 4 Jan - 9 Jan Dicot leaf, Monocot stem, Revision.
- 11 Jan - 16 Jan To cut the t.s. of stem of Dracaena and Boerhaavia and study their anomalous growth
- 18 Jan - 23 Jan

To cut the t.s. of the stem of Achyranthes and study their anomalous growth.

25 Jan - 30 Jan  
Revision - Cycas (slides)

1 Feb - 6 Feb  
Revision - Pinus

8 Feb - 13 Feb  
Revision - Etheda

15 Feb - 20 Feb  
Revision - Permanent slides of Parenchyma, collenchyma, sclerenchyma, Aerenchyma, Sclereids, xylem.

22 Feb - 27 Feb  
Revision - Phloem, stomata, & growth indicat root, monocot root, monocot leaf, Dicot leaf, Monocot stem.

1 Mar - 6 Mar  
Revision - Dracaena, Boeshaawia  
Achyranthes

8 Mar - 13 Mar  
Slide Identification Test

15 Mar - 20 Mar



UG-Lesson Plan from oct 2020 to March 2021.

Lecturer	Ms. Vaasha, Ms. Sonu, Ms. Manisha.
Class with sem	B.Sc III (5 <sup>th</sup> Sem)
Subject/ Paper	Botany / Paper 5.2 (Ecology)
Week	Topics
5 Oct - 10 Oct	
12 Oct - 17 Oct	
19 Oct - 24 Oct	Introduction to Ecology; Definition, scope and importance; levels of organization.
26 Oct - 31 Oct	Environment: Introduction; Environmental <sup>factors.</sup> Environmental factors - climatic (water, humidity, wind, light, temperature), edaphic (soil profile, physico-chemical properties).
2 Nov - 7 Nov	Topographic and biotic factors (species interaction); Revision and Test of Unit - I
9 Nov - 14 Nov	Adaptations of plants to water stress and salinity (morphological and anatomical features of hydrophytes, xerophytes and halophytes)
16 Nov - 21 Nov	Population ecology: Basic concept, characteristics, biotic potential, growth curves; ecotypes and ecads.

	Revision and Test of Unit - II
23 Nov - 28 Nov	Community ecology: Concepts; characteristics (qualitative and quantitative-analytical & synthetic methods of Analysis, ecological succession.
30 Nov - 5 Dec	Ecosystem: structure (components) and functions (trophic levels, food chains). Food webs, Ecological pyramids, Energy flow; Biogeochemical Cycles: Carbon, Nitrogen, Phosphorus.
7 Dec - 12 Dec	Hydrological Cycle, Revision of Unit - III and Test, doubt Session.
14 Dec - 19 Dec	
21 Dec - 26 Dec	Phyto-geography: phytogeographical regions of India; Vegetation types of India (forests). Intro. to Environmental pollution. Environmental pollution: Sources, types and control of air and water pollution.
28 Dec - 2 Jan	
4 Jan - 9 Jan	Global change: Greenhouse effect and greenhouse gases; impact of global warming.
11 Jan - 16 Jan	Carbon trading, Ozone layer depletion, Biomagnification & its effects.
16 Jan - 23 Jan	Revision of Unit - III & Test, doubt Session.

## Revision + Test. of Unit ~~of~~ I

25 Jan - 30 Jan

## Revision + Test of Unit -II

1 Feb - 6 Feb

Revision: Topographic and biotic factors (species interaction), Adaptations of plants to water stress and salinity.

8 Feb - 13 Feb

Revision: Population Ecology; Concepts, characteristics, biotic potential, growth curves, ecotypes and ecads.

15 Feb - 20 Feb

## Revision of Hydrological Cycles.

22 Feb - 27 Feb

Community Ecology: Concepts, Characteristics. (Quantitative and qualitative - Analytical and Synthetic), Ecological Succession.

1 Mar - 6 Mar

## Revision of Unit -III and Test.

8 Mar - 13 Mar

## Revision + Seminars.

15 Mar - 20 Mar



UG-Lesson Plan from oct 2020 to March 2021

Lecturer	Ms. Veersha, Ms. Sonu, Ms. Manisha.
Class with sem	B.Sc 3rd year (5th Sem)
Subject/Paper	Botany / Paper 5:1 (Plant physiology).
Week	Topics
5 Oct - 10 Oct	
12 Oct - 17 Oct	
19 Oct - 24 Oct	Plant-water Relations: Importance of water to plant life, Physical properties of water, imbibition, diffusion and Osmosis.
26 Oct - 31 Oct	Absorption and transport of water; transpiration, physiology of stomata.
2 Nov - 7 Nov	Mineral Nutrition: Essential macro elements and their role, mineral uptake, deficiency symptoms; Revision of unit 1 & Test.
9 Nov - 14 Nov	Transport of organic substances: Mechanism of phloem transport; source-sink relationships; factors affecting translocation.
16 Nov - 21 Nov	Photosynthesis: Introduction, Historical aspects; significance; photosynthetic pigments; Action spectra & enhancement effect.

23 Nov - 28 Nov	<p>Concept of two photosystems; Z-scheme; photophosphorylation; Calvin Cycle; C<sub>4</sub> Pathway, CAM plants, photorespiration.</p> <p>Revision of 2nd Unit &amp; Test of Unit-2.</p>
30 Nov - 5 Dec	<p>Growth and development: Definitions; Phases of growth and development.</p>
7 Dec - 12 Dec	<p>Seed dormancy; plant movements; the concept of photoperiodism, physiology of flowering, Florigen Concept.</p>
14 Dec - 19 Dec	<p>Physiology of Senescence, Fruit ripening; Revision of Unit-3; doubt discussions.</p>
21 Dec - 26 Dec	<p>Test for Internal Assessment, of Unit I &amp; II; test questions discussion, Revision of Unit I &amp; II.</p>
28 Dec - 2 Jan	<p>Plant hormones - Auxin, gibberellins, Cytokinins with their history; discovery; mechanism of action.</p>
4 Jan - 9 Jan	<p>Abscissic acid and Ethylene hormone their history; discovery; mechanism of Action.</p>
11 Jan - 16 Jan	<p>Photo-morphogenesis; phytochromes and their discovery; physiological role.</p>
18 Jan - 23 Jan	<p>phytochromes mechanism of Action; Cytochromes; Revision of Unit - III</p>

25 Jan - 30 Jan	Revision of Unit - I, Test of Unit - I
1 Feb - 6 Feb	Revision of Unit - II, III Test of Unit - II.
8 Feb - 13 Feb	Revision of Essential Macro and micro elements and their role, mineral uptake, deficiency symptoms.
15 Feb - 20 Feb	Revision: Transport of organic substances, including mechanism of phloem transport, source-sink relationship.
22 Feb - 27 Feb	Revision: Physical properties of water, diffusion, and osmosis, Absorption and transport of water, transpiration.
1 Mar - 6 Mar	Test of Unit I & II, Growth hormones, Seed dormancy, plant movements, physiology of flowering.
8 Mar - 13 Mar	Photomorphogenesis, phytochrome and their discovery, physiological role and mechanism of action.
15 Mar - 20 Mar	Revision: source-sink relationship, factors affecting translocation, photosynthesis, Calvin Cycle, C <sub>4</sub> pathway, CAM plants, photorespiration.



UG-Lesson Plan from oct 2020 to March 2021	
Lecturer	Ms. Manisha, Ms. Vansha, Ms. Sonu.
Class with sem	B.Sc III (5 <sup>th</sup> Sem)
Subject/ Paper	Botany / Practical.
Week:	Topics
5 Oct - 10 Oct	
12 Oct - 17 Oct	
19 Oct - 24 Oct	To demonstrate the phenomenon of Osmosis by Potato Osmoscope method. To show the phenomenon of imbibition pressure by plaster of Paris method.
26 Oct - 31 Oct	To Study the phenomenon of plasmolysis and deplasmolysis.
2 Nov - 7 Nov	To demonstrate the phenomenon of Imbibition of water by dry seeds and to observe volume changes using P.P. cone.
9 Nov - 14 Nov	To compare stomatal and Cuticular transpiration by four leaf method, and its observation.
16 Nov - 21 Nov	To Compare the rate of transpiration from the surface of leaf by Cobalt Chloride (CoCl <sub>2</sub> ) paper method.

23 Nov - 28 Nov	To demonstrate the phenomenon of transpiration using Ganong's potometer.
30 Nov - 5 Dec	Separation of Chloroplast pigments by Chromatographic paper
7 Dec - 12 Dec	To demonstrate the ascent of sap in the plants occurs through xylem, To determine rate of photosynthesis under varying $CO_2$ concentration
14 Dec - 19 Dec	Experiments on geotropism, phototropism and hydrotropism.
21 Dec - 26 Dec	Determination of pH of soil, and water samples (a) To determine pH of soil samples (b) To determine $pH$ of water samples
28 Dec - 2 Jan	Study of physical properties:- (a) To determine soil density of given soil samples (b) To determine water-holding capacity of given soil sample.
4 Jan - 9 Jan	Determination of density, abundance and frequency of species by quadrat method.
11 Jan - 16 Jan	Morphological and Anatomical features of Hydrophytes: <u>Hydrilla</u> , <u>Eichhornia</u>
18 Jan - 23 Jan	Morphological and Anatomical features of Xerophytes :- <u>Nerium</u> , <u>Calotropis</u>

25 Jan - 30 Jan	To find out effect of different light intensities, on the rate of photosynthesis using Wilmott's bubbler.
1 Feb - 8 Feb	To demonstrate that phloem is the channel of translocation of organic solutes and xylem is the channel of transport of water. Determination of rate of photosynthesis under varying $\text{CO}_2$ concentration.
8 Feb - 13 Feb	To determine the osmotic pressure of cell sap of <u>Tradescantia</u> leaf by plasmolytic method.
15 Feb - 20 Feb	Expt: Rate of photosynthesis under varying $\text{CO}_2$ concentration, Experiment on phototropism.
22 Feb - 27 Feb	Experiment on Geotropism, hydrotropism, Demonstration of Plasmolysis and deplasmolysis.
1 Mar - 6 Mar	Demonstration of osmosis by potato osmoscope method, Demonstration of Imbibition by POP method.
8 Mar - 13 Mar	Determination of density, Abundance, frequency of species by quadrat method.
15 Mar - 20 Mar	



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Vidushi

Class with sem

B.Sc - Int Sem Sec - 1, 2, 3 (3 days per week per Section)

Subject/ Paper

Chemistry - P - I (Inorganic Chemistry)

Week

Topics

2 Nov to 7 Nov

Idea of de-Broglie Matter waves, Heisenberg Uncertainty Principle, Atomic orbitals.

9 Nov to 14 Nov

Quantum numbers, Radial and angular wave functions and Probability distribution Curves. Shape of s, p, d orbitals.

16 Nov to 21 Nov

General Principles of periodic table - Aufbau and Pauli exclusion principles, Hund's multiplicity rule, Electronic Configuration of the elements.

23 Nov to 28 Nov

Effective Nuclear Charge, Slater's rule.

Test → Atomic Structure

Properties → Atomic and Ionic radii.

30 Nov to 5 Dec

Ionization Energy → Periodic Properties

7 Dec to 12 Dec

Electron Affinity → Periodic properties

14 Dec to 19 Dec

21 Dec to 26 Dec	Electronegativity → definition, Methods of determination or evaluation
28 Dec to 2 Jan	Trends in periodic table (in s and p Block) Assignment → Periodic Properties
4 Jan to 9 Jan	Covalent Bond → Valence bond theory and its limitation. Directional characteristics of covalent bond
11 Jan to 16 Jan	Various types of hybridization and shape of simple inorganic molecules and ions - $\text{BeF}_2$ , $\text{BF}_3$ , $\text{CH}_4$ , $\text{PF}_5$ , $\text{SF}_6$ , $\text{IF}_7$ , $\text{SO}_4^{2-}$ , $\text{ClO}_4^-$ .
18 Jan to 23 Jan	Valence shell electron pair repulsion (VSEPR) theory to $\text{NH}_3$ , $\text{H}_3\text{O}^+$ , $\text{SF}_4$ , $\text{CF}_3$ , $\text{ICl}_2$ and $\text{H}_2\text{O}$ .
25 Jan to 30 Jan	MO theory of heteronuclear (Co and NO) Diatomic molecules. Bond strength and bond energy.
1 Feb to 6 Feb	Percentage Ionic character from dipole moment and electronegativity difference. Test → MO theory.
8 Feb to 13 Feb	Ionic Solids → Ionic Structures (NaCl, CsCl)
15 Feb to 20 Feb	Ionic Structure → $\text{ZnS}$ (Zinc Blende), $\text{CaF}_2$

22 Feb to 27 Feb	Radius Ratio effect and Coordination Number. Limitations of radius ratio Rule.
1 March to 6 March	Lattice Defect → Frenkel and Schottky Defect.
8 March to 13 March	Semiconductors, Lattice energy.
15 March to 20 March	Born-Haber Cycle. Solvation energy and its relation with Solubility of Ionic Solids.
22 March to 27 March	Polarizing power and Polarizability of Ions.
28 March to 31 March	Holi Break
1 April to 3 April	Fajan's Rule Presentation → Ionic Solids.
5 April to 10 April	Revision → Section A, B
12 April to 16 April	Revision → Section C, D



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Dr. Aruna Chaudhary

Class with sem

B.Sc. - 2<sup>nd</sup> Sem. Sec - 1, 2, 3 (2 Days per week per section)

Subject/ Paper

(Chemistry - P. II Physical Chemistry)

Week

Topics

2 Nov to 7 Nov

Maxwell's distribution of velocities and energies  
(derivation excluded)

9 Nov to 14 Nov

Calculation of root mean square velocity, average  
velocity and most probable velocity

16 Nov to 21 Nov

Collision diameter, collision number, collision  
frequency

23 Nov to 28 Nov

Mean free path, Deviation of Real gases from  
ideal behaviour

30 Nov to 5 Dec

Derivation of van der Waal's Equation of state,  
Application in the calculation of Boyle's temperature  
(compression factor)

7 Dec to 12 Dec

Explanation of behaviour of real gases using  
van der Waal's equation  
Test for gaseous state

14 Dec to 19 Dec

Definitions critical temperature, critical  
pressure, critical volume

21 Dec to 26 Dec	Critical pressure, critical temperature, critical volume and their determinations
28 Dec to 2 Jan	PV Isotherms of real gases, Continuity of states, the isotherms of van der Waal's gas
4 Jan to 9 Jan	Relationship between critical constants and van der Waal's constants, critical compressibility factor
11 Jan to 16 Jan	The law of corresponding states, Liquefaction of gases
18 Jan to 23 Jan	Structure of liquids, Properties of liquids - Surface tension
25 Jan to 30 Jan	Properties of liquids - viscosity Assignment on liquid state
1 Feb to 6 Feb	Properties of liquids - vapour pressure
8 Feb to 13 Feb	Properties of liquids - Optical rotations and their determination
15 Feb to 20 Feb	Classification of solids, Laws of crystallography - is law of constancy of interfacial angles

- ii) Law of rationality of indices
- iii) Law of Symmetry

22 Feb to 27 Feb

Symmetry elements of crystals, Definition of unit cell & space lattice

1 March to 6 March

Bravais lattice, crystal system, x-ray diffraction by crystals

8 March to 13 March

Derivation of Bragg's equation, determination of crystal structure of NaCl, KCl

15 March to 20 March

Presentation on solid state

22 March to 27 March

28 March to 31 March

Holi Break

Liquid crystals: Differences between solids, liquids and liquid crystals, types of liquid crystals, Applications of liquid crystals

1 April to 3 April

Revision of section - A & B

5 April to 10 April

Revision of section - C & D

12 April to 16 April



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer: Vinila Bala  
 Class with sem: B.Sc I (Three sections) Ist Sem. 3 days per week per section  
 Subject/ Paper: Organic Chemistry

Week	Topics
2 Nov to 7 Nov	Introduction, Bonding in organic compounds Bond energy
9 Nov to 14 Nov	Localised and delocalised chemical bond, Vander waal's interactions.
16 Nov to 21 Nov	Qual Test Resonance Resonance effect, Hyperconjugation
23 Nov to 28 Nov	Hyperconjugation Inductive effect Electromeric effect
30 Nov to 5 Dec	Revision, Problem solving, Q. A. discussion Test
7 Dec to 12 Dec	Introduction to isomerism, Structural and Stereoisomerism.
14 Dec to 19 Dec	Optical isomerism, Enantiomerism, Representation of Stereoisomerism

21 Dec to 26 Dec	Diastereoisomerism, Meso compounds, Stereoisomers
28 Dec to 2 Jan	Racemisation, Internal and external compensation Resolution.
4 Jan to 9 Jan	Optical test, asymmetric synthesis, Walden inversion, Configuration
11 Jan to 18 Jan	R & S system of configuration, geometrical isomerism Conformations
18 Jan to 23 Jan	Conformational analysis of Ethane, Propane and Butane, Conformational stability, Cyclohexane conformations.
25 Jan to 30 Jan	Test of stereochemistry, Introduction to reaction mechanism, bond cleavage, Carbocations
1 Feb to 8 Feb	Carbanions, Free radicals, Carbenes, optical test
8 Feb to 13 Feb	Nature of reagents, Classification of organic reactions.
15 Feb to 20 Feb	Energy changes during reactions, assigning charges to intermediates.

22 Feb to 27 Feb	Revision, Problem Solving, Qus discussion, test
1 March to 6 March	Introduction to alkanes, classification of carbons of alkanes, Seminar on Carbocations
8 March to 13 March	Nomenclature of alkanes, isomerism, Methods of Preparation, Physical properties, Problem solving
15 March to 20 March	Test of alkanes, Introduction to cycloalkanes, Synthesis of cycloalkanes.
22 March to 27 March	Physical properties of cycloalkanes, Chemical Properties, Relative stability of cycloalkanes
28 March to 31 March	Holi Break
1 April to 3 April	Baeyer Strain Theory, Sachse Mohr Theory of strainless rings.
5 April to 10 April	Discussion of questions, Chapterwise revision and problem solving.
12 April to 16 April	Test, Paper pattern discussion Problem solving.

Ujjala

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer: Ms. Suman, Ms. Pooja

Section:

Class with sem: BSc 2nd year, Sem. II, 2 days per week for section I, II, III

Subject: Inorganic Chemistry / Paper - I

Week

Topics

5 Oct - 10 Oct

10 Oct - 17 Oct

Chemistry of Elements of 1st transition series:  
- definition of Transition elements,

17 Oct - 24 Oct

Position of transition elements in the periodic table

24 Oct - 31 Oct

General characteristics and properties of 1st transition elements

31 Oct - 7 Nov

Structures and properties of compounds  
 $TiCl_3$ ,  $VOCl_2$

7 Nov - 14 Nov

Structures and properties of compounds  
 $FeCl_3$ ,  $CrCl_3$

14 Nov - 21 Nov

Structure and properties of the 2nd and 3rd transition elements



Chemistry of Elements of II<sup>nd</sup> and III<sup>rd</sup> transition:- Introduction

23 Nov - 28 Nov

General characteristics and properties of the II<sup>nd</sup> and III<sup>rd</sup> transition elements - Comparisons

30 Nov - 5 Dec

Comparisons of properties of s-d elements with p-d and f-d elements with reference only to low oxidation state

7 Dec - 12 Dec

magnetic and special properties

14 Dec - 19 Dec

stereochemistry

21 Dec - 26 Dec

Coordination Compounds:-  
Introduction

28 Dec - 2 Jan

Werner's Coordination Theory

3 Jan - 9 Jan

Effective Atomic Number concept  
Chelates

11 Jan - 16 Jan

Nomenclatures of coordination compounds  
Isomerism in coordination compounds

18 Jan - 23 Jan

valence bond theory of transition metal complex

## Non Aqueous Solvents:-

### Introduction

25 Jan - 30 Jan

Physical Properties of the Solvents

1 Feb - 6 Feb

Types of Solvents and their General Characteristics

8 Feb - 10 Feb

Reaction in non aqueous solvent  
(Introduction)

15 Feb - 20 Feb

Reaction in non aqueous solvent  
with reference to  $\text{NH}_3$

22 Feb - 27 Feb

Reaction in non aqueous solvent  
with reference to  $\text{CH}_2\text{SO}_2$

1 Mar - 8 Mar

Coordination chemistry  
Revision

8 Mar - 13 Mar

Transition elements I, II, III, IV  
Series Revision

16 Mar - 20 Mar

non aqueous solvent

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer

Ms. Pooja Sharma

Class with sem

B.Sc 2nd year (3rd sem) Sec - I, II, III (3 days per week)

Subject/Paper

Physical Chemistry (Paper II)

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

Thermodynamics - I: Definition of thermodynamic terms: system, surrounding etc. Types of systems

19 Oct - 24 Oct

Intensive and extensive properties, state and path functions and their differentials. Thermodynamic process.

26 Oct - 31 Oct

2 Nov - 7 Nov

Concept of heat and work - Zeroth law of thermodynamics, First law of thermodynamics: Statement

9 Nov - 14 Nov

Definition of internal and enthalpy, heat capacity, Heat capacities at constant volume and pressure and their relationship.

16 Nov - 21 Nov

Joule's law - Joule-Thomson coefficient for ideal gas and real gas and inversion temperature.

## Problems and Test of Thermodynamics - I

23 Nov - 28 Nov

Thermodynamics - II: Calculation of  $w$ ,  $q$ ,  $du$  &  $dH$  for the expansion of ideal gases under isothermal conditions for reversible process.

30 Nov - 5 Dec

Calculation of  $w$ ,  $q$ ,  $du$  &  $dH$  for the expansion of ideal gases under adiabatic conditions for reversible process.

7 Dec - 12 Dec

Temperature dependence of enthalpy, Kirchhoff equation

14 Dec - 19 Dec

Bond energies and applications of bond energies.

21 Dec - 26 Dec

Assignment on Thermodynamics I & II  
Problems and Test of Thermodynamics - II

28 Dec - 2 Jan

Chemical Equilibrium: Equilibrium constant and free energy, concept of chemical potential, Thermodynamic derivation of law of chemical equilibrium

4 Jan - 9 Jan

Temperature dependence of equilibrium constant, Van't Hoff reaction isochore, Van't Hoff reaction isotherm

11 Jan - 16 Jan

Le-Chatelier's principle and its applications, Clapeyron equation and Clausius-Clapeyron equation its applications.

18 Jan - 23 Jan



## Problems and test of Chemical Equilibrium

25 Jan - 30 Jan

Distribution Law: Nernst distribution law - its thermodynamic derivation. Modification of distribution law when solute undergoes dissociation, association and chemical combination

1 Feb - 6 Feb

Applications of distribution law (i) Determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride.

8 Feb - 13 Feb

Determination of equilibrium constant of potassium tri-iodide complex and process of extraction

15 Feb - 20 Feb

Problems and Test of Distribution Law

22 Feb - 27 Feb

Revision and Presentation of section A & B

1 Mar - 6 Mar

Revision and Presentation of section C & D

8 Mar - 13 Mar

Revision of full syllabus

15 Mar - 20 Mar

Week	Topics
5 Oct - 10 Oct	<u>Alcohols</u> : Monohydric alcohols nomenclature, methods of formation by reduction of aldehydes, ketones, carboxylic acids and esters.
12 Oct - 17 Oct	Hydrogen bonding, Acidic nature, Reactions of alcohol, Dihydric alcohols nomenclature, methods of formation.
18 Oct - 24 Oct	Chemical reactions of vicinal glycols, oxidative cleavage [ $\text{PbOAc}_4$ and $\text{HIO}_4$ ] and pinacol-pinacolone rearrangement.
26 Oct - 31 Oct	<u>Epoxydes</u> : Synthesis of epoxydes. Acid and base-catalyzed ring opening of epoxydes.
2 Nov - 7 Nov	Orientation of epoxyde ring opening, reaction of Grignard and organolithium reagents with epoxydes.
9 Nov - 14 Nov	Problems and test of Alcohols and Epoxydes.
16 Nov - 21 Nov	<u>Phenols</u> : Nomenclature, structure and bonding, Preparation of phenols, Physical properties and acidic character.

UG-Lesson Plan from oct 2020 to March 2021

Ms. Rachna Anora

B.Sc 2nd year (3rd Sem) Sec - I, II, III (3 days per week)  
Organic Chemistry (Paper III)

Lecturer  
Class with sem  
Subject/Paper

23 Nov - 28 Nov	Comparative acidic strength of alcohols and phenols, resonance stabilization of phenoxide ion. Reaction of phenols - electrophilic aromatic substitution.
30 Nov - 5 Dec	Mechanism of Fries rearrangement, Claisen rearrangement, Reimer-Tiemann reaction, Kolbe's reaction and Schotten and Baumann reaction.
7 Dec - 12 Dec	Problems and test of Phenols.
14 Dec - 19 Dec	Ultraviolet (UV) absorption spectroscopy: Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra.
21 Dec - 26 Dec	Types of electronic transitions, effect of conjugation, concept of chromophore and auxochrome. Bathochromic, hypsochromic, hyperchromic and hypochromic shifts.
28 Dec - 2 Jan	UV spectra of conjugated enes and enones, Woodward-Fieser rules, calculation $\lambda_{max}$ of simple conjugated dienes and alpha, beta unsaturated ketones.
4 Jan - 9 Jan	Applications of UV spectroscopy in structure elucidation of simple organic compounds.
11 Jan - 16 Jan	Problems and test of Ultraviolet (UV) absorption spectroscopy.
18 Jan - 23 Jan	Carboxylic Acids & Acid Derivatives: Nomenclature of carboxylic acids, structure and bonding, physical properties, acidity of carboxylic acids.

25 Jan - 30 Jan	Effects of substitution on acid strength, Preparation of carboxylic acids. Reactions of carboxylic acids. Hell-Volhard Zelinaky reaction
1 Feb - 6 Feb	Reduction of carboxylic acids. Mechanism of decarbonylation. Structure, nomenclature and preparation of acid chlorides, esters, amides.
8 Feb - 13 Feb	Nomenclature and preparation of acid anhydrides. Relative stability of acyl derivatives. Physical Properties
15 Feb - 20 Feb	Interconversion of acid derivatives by nucleophilic acyl substitution. Mechanism of esterification and hydrolysis (acidic and basic)
22 Feb - 27 Feb	Assignment on Carboxylic Acids Problems and Test of Carboxylic Acids & Acid Derivatives
1 Mar - 6 Mar	Revision and Presentation of section A & B
8 Mar - 13 Mar	Revision and Presentation of section C & D
15 Mar - 20 Mar	Revision of full syllabus



UG-Lesson Plan from oct 2020 to March 2021

Lecturer

Vidushi

Class with sem

B.Sc - III Sem - Vth Sec: 1, 2, 3 (3 days per week)

Subject/ Paper

Chemistry - P - I (Inorganic Chemistry)

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

Metal-Ligand Bonding in Transition Metal Complexes -  
Limitation of Valence bond theory, an elementary  
idea of Crystal-field theory.

18 Oct - 24 Oct

Crystal field splitting in octahedral,  
tetrahedral complexes.

26 Oct - 31 Oct

Crystal field splitting in square  
planar complexes.

2 Nov - 7 Nov

Factors affecting the Crystal-field  
Parameters.

9 Nov - 14 Nov

Test → Section - A

16 Nov - 21 Nov

Thermodynamic and Kinetic Aspects of  
Metal Complexes.

23 Nov - 28 Nov	A brief outline of thermodynamic stability of metal complexes.
30 Nov - 5 Dec	Factors affecting the stability of metal complexes.
7 Dec - 12 Dec	Substitution reaction of square planar complexes of Pt(II).
14 Dec - 19 Dec	Assignment - Thermodynamic and kinetic aspects of metal complexes.
21 Dec - 26 Dec	Magnetic Properties of transition metal complexes - Type of magnetic behaviour.
28 Dec - 2 Jan	Methods of determining magnetic susceptibility, Spin-only formula.
4 Jan - 9 Jan	L-S Coupling, Correlation of $s$ and $l$ values.
11 Jan - 16 Jan	Orbital contribution to magnetic moments.
18 Jan - 23 Jan	Application of magnetic moment data for 3-d metal complexes.

25 Jan - 30 Jan	Types of electronic transitions. Selection rules for d-d transitions. Spectroscopic ground states.
1 Feb - 6 Feb	Spectrochemical series.
8 Feb - 13 Feb	Orgel - energy level diagram for d, and d <sup>9</sup> states.
15 Feb - 20 Feb	Discussion of the electronic spectrum of $[Ti(H_2O)_6]^{3+}$ complex ion.
22 Feb - 27 Feb	Presentation - Electron Spectra of Transition Metal Complexes.
1 Mar - 6 Mar	Revision - Section (A) Section (B)
8 Mar - 13 Mar	Revision - Section (C) Section (D)
15 Mar - 20 Mar	

UG-Lesson Plan from Oct 2020 to March 2021

Dr. Rishi Choudhary

B.Sc - 5<sup>th</sup> Sem. SEC - 1.3 (1st year for which no border)  
(Chemistry - P. II Physical Chemistry)

Lecturer  
Class with sem  
Subject/Paper

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

Black-body radiation, Planck's radiation law, Photoelectric effect

19 Oct - 24 Oct

Capacity of Ashole, Compton effect, wave function and its significance of postulates of quantum mechanics

26 Oct - 31 Oct

Quantum mechanical operators, commutation relations, Hamiltonian operator, Hermitian operator

2 Nov - 7 Nov

Average value of square of Hamiltonian op. a positive quantity, Role of operators in quantum mechanics

8 Nov - 14 Nov

To show quantum mechanically that position and momentum cannot be predicted simultaneously, Determination of wave function

16 Nov - 21 Nov



23 Nov - 26 Nov	Energy of a particle in one dimensional box, Pictorial representation and its significance.
30 Nov - 5 Dec	Test for Quantum Mechanics Activity, Polarization - (Clausius-Mossotti equation)
7 Dec - 12 Dec	Orientation of dipoles in an electric field, dipole moment
14 Dec - 19 Dec	Included dipole moment, measurement of dipole moment - temperature method and refractivity method
21 Dec - 26 Dec	Dipole moment and structure of molecules, magnetic permeability
28 Dec - 2 Jan	magnetic susceptibility and its determination, Application of magnetic susceptibility
4 Jan - 9 Jan	Magnetic properties - paramagnetism, diamagnetism and ferromagnetism Assignment on physical properties and molecular structure
11 Jan - 16 Jan	Introduction: Electromagnetic Radiation, regions of spectrum, basic features of spectroscopy
18 Jan - 23 Jan	Statement of Born-Oppenheimer approximation, Degree of freedom

25 Jan - 30 Jan	<p style="text-align: center;"><u>Rotational Spectrum</u></p> <p>Diatomic molecules, Energy levels of rigid rotator (semi-classical principles), selection rules, spectral intensity distribution using population distribution</p> <p>Determination of bond length, qualitative description of non-rigid rotator, isotope effect</p>
1 Feb - 6 Feb	<p style="text-align: center;"><u>Vibrational Spectrum</u></p> <p>Infrared spectrum: Energy levels of simple harmonic oscillator, selection rules, pure vibrational spectrum, Intensity, determination of force constant and qualitative prediction of <math>\nu_{max}</math> force constant and zero-point energy</p> <p>Effects of anharmonic motion and isotopic effect on the spectra, idea of vibrational frequencies of different functional groups</p>
15 Feb - 20 Feb	<p style="text-align: center;"><u>Presentation On Spectroscopy</u></p> <p>Raman Spectrum: Concept of polarizability, pure rotational</p>
22 Feb - 27 Feb	<p>Pure vibrational Raman spectra of diatomic molecules, selection rules, Quantum theory of Raman spectra</p>
1 Mar - 6 Mar	<p style="text-align: center;">Revision of section A &amp; B</p>
6 Mar - 13 Mar	<p style="text-align: center;">Revision of section C &amp; D</p>
15 Mar - 20 Mar	

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer Ms. Seema

Class with sem BSc 1<sup>st</sup> year / Sem-IV, Sec- I, II, III, 3 days for week per section

Subject/Paper Organic Chemistry / Paper-III

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

NMR Spectroscopy - I :-

Principle of nuclear magnetic resonance, the NMR spectrum.

19 Oct - 24 Oct

Number of signal

Peak Area calculation

26 Oct - 31 Oct

equivalent and non equivalent proton

position of signal and chemical shift

2 Nov - 7 Nov

splitting and deshielding of proton

proton counting

9 Nov - 14 Nov

splitting of signals

and coupling constants

16 Nov - 21 Nov

magnetic equivalents of proton

## NMR Spectroscopy II:-

Discusses ions of NMR spectra of the molecules.

23 Nov - 28 Nov

Ethyl Bromide

n Propyl Bromide

30 Nov - 5 Dec

Isopropyl Bromide

1,1-Dibromoethane

ethanol

7 Dec - 12 Dec

acetaldehyde

ethyl acetate

14 Dec - 19 Dec

Toluene, Benzaldehyde

acetophenone.

21 Dec - 26 Dec

Simple problems on PMR Spectroscopy for structure determination of organic compounds

## Carbohydrates - I

28 Dec - 2 Jan

Classification and nomenclature, monosaccharide mechanism of osazone formation, 1

4 Jan - 9 Jan

Interconversion of Glucose and fructose, chain lengthening and chain shortening of aldose

11 Jan - 16 Jan

Configuration of monosaccharide. Epimers and Threo diastereomers.

18 Jan - 23 Jan

Determination of Ring Size of Glucose and Fructose.

Mechanism of mutarotation.  
Structure of ribose and deoxy ribose.



## Carbohydrates II:

25 Jan - 30 Jan	An Introduction to disaccharides (maltose, sucrose and lactose)
1 Feb - 6 Feb	Polysaccharides Introduction (starch and cellulose)
	<u>Organometallic chemistry:-</u>
8 Feb - 13 Feb	Organomagnesium compounds.
	The Grignard reagent formation structure and chemical reaction
15 Feb - 20 Feb	Organozinc compounds
	formation and chemical reactions.
22 Feb - 27 Feb	Organolithium compounds
	formation of chemical reactions
1 Mar - 6 Mar	
8 Mar - 13 Mar	Revision
15 Mar - 20 Mar	Revision

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer *Ms Seema, Ms Pooja Sharma, Ms Vinika Bhat*  
Class with sem *BSc 1st year; Sem - 1st groups; - 2 days per week per group*  
Subject/ Paper *Chemistry / Practical, Paper - IV, CMC4 (I to VIII groups)*

Week	Topics
2 Nov to 7 Nov	
9 Nov to 14 Nov	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	

21 Dec to 26 Dec

28 Dec to 2 Jan

4 Jan to 9 Jan

11 Jan to 16 Jan

Redox titration: Determination of  $Fe^{2+}$  using  $KMnO_4$

18 Jan to 23 Jan

Redox titration: Determination of  $Fe^{2+}$  using  $K_2Cr_2O_7$

25 Jan to 30 Jan

Redox titration: Determination of  $Ca^{2+}$  using  $CrO_4^{2-}$

Redox titration: Determination of  $Ca^{2+}$  using  $K_2Cr_2O_7$

1 Feb to 6 Feb

Tolouenic titration: Determination of  $Ca^{2+}$  using standard  $Hyp$  solution

8 Feb to 13 Feb

Complexometric titration: Determination of  $Ca^{2+}$  by using EDTA

15 Feb to 20 Feb

22 Feb to 27 Feb	Complementary titration:- Determination of Zn <sup>2+</sup> by EDTA
1 March to 8 March	To determine the surface tension of a given liquid by drop number method
8 March to 13 March	To determine the viscosity of a given liquid
15 March to 20 March	To determine the specific refractivity of a given liquid
22 March to 27 March	To determine the specific reaction rate of the hydrolysis of ethyl acetate catalysed by HCl ions at room temp
28 March to 31 March	Holi Break
1 April to 3 April	Viva-voice
5 April to 10 April	Viva-voice
12 April to 16 April	Viva-voice



UG-Lesson Plan from Oct 2020 to March 2021

Ms. Archana Anand, Ms. Vinitha Bhatia, Dr. Richa Choudhary, Mrs. Vidushi,  
Ms. Seema, Ms. Pooja Sharma

B.Sc 2nd year (5th Sem) Group-I to III (2 days per week)

Chemistry Practical, Paper - XII, CH-304

Lecturer

(Class with sem)

Subject/Paper

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

19 Oct - 24 Oct

26 Oct - 31 Oct

2 Nov - 7 Nov

9 Nov - 14 Nov

16 Nov - 21 Nov

23 Nov - 28 Nov

30 Nov - 5 Dec

7 Dec - 12 Dec

14 Dec - 19 Dec

21 Dec - 28 Dec

28 Dec - 2 Jan

4 Jan - 9 Jan

11 Jan - 16 Jan

Organic: systematic identification of organic compounds  
(detection of extra elements) - UASA.

18 Jan - 23 Jan

Identification of functional group in the given organic compounds Naphthalene, anthracene, benzyl chloride, Acetoinol

25 Jan - 30 Jan

Systematic identification (detection of extra elements, functional groups, melting and boiling point and preparation of solid derivatives): naphthol (alpha, beta), benzophenone, Vanillin, oxalic acid.

1 Feb - 6 Feb

Systematic identification of organic compound: Benzoic acid, salicylic acid, phthalic acid, cinnamic acid.

8 Feb - 13 Feb

Systematic identification of organic compound: Benzamide, glucose, fructose, sucrose, fructose.

15 Feb - 20 Feb

Inorganic: Gravimetric analysis: Quantitative estimation of Ni- dimethylglyoxime of  $Ni^{2+}$

22 Feb - 27 Feb

Quantitative estimation of copper thiocyanate of  $Cu^{2+}$ .

1 Mar - 8 Mar

Revision

8 Mar - 13 Mar

Revision

15 Mar - 20 Mar

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer: Dr. Ritika Chaudhary, Mrs. Vidushi, Ms. Seema, Ms. Poja

Circle with sem: B.Sc.III (V<sup>th</sup> Sem) Group - I to VIII (2 days per week per group)

Examination Paper: Chemistry Practical, Paper-XX, CH-504

Week

Topics

1. Oct - 10 Oct

10 Oct - 17 Oct

17 Oct - 24 Oct

24 Oct - 31 Oct

31 Oct - 7 Nov

7 Nov - 14 Nov

14 Nov - 21 Nov



23 Nov - 28 Nov

30 Nov - 5 Dec

7 Dec - 12 Dec

14 Dec - 19 Dec

21 Dec - 26 Dec

28 Dec - 2 Jan

4 Jan - 9 Jan

11 Jan - 16 Jan

18 Jan - 23 Jan

Inorganic :-> Salt Analysis :-> Qualitative Analysis  
of mixture.

Salt Analysis :-  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{CO}_3^{2-}$ ,  $\text{SO}_4^{2-}$

25 Jan - 30 Jan

Salt Analysis :-  $\text{Hg}^{2+}$ ,  $\text{Zn}^{2+}$ ,  $\text{Cl}^-$ ,  $\text{CO}_3^{2-}$

1 Feb - 6 Feb

Salt Analysis :-  $\text{Cd}^{2+}$ ,  $\text{Fe}^{3+}$ ,  $\text{NO}_3^-$ ,  $\text{SO}_4^{2-}$

6 Feb - 13 Feb

Salt Analysis :-  $\text{Pb}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{CH}_3\text{COO}^-$ ,  $\text{SO}_4^{2-}$

15 Feb - 20 Feb

Salt Analysis :-  $\text{NH}_4^+$ ,  $\text{Zn}^{2+}$ ,  $\text{CO}_3^{2-}$ ,  $\text{Cl}^-$

22 Feb - 27 Feb

Salt Analysis :-  $\text{Al}^{3+}$ ,  $\text{Cd}^{2+}$ ,  $\text{Cl}^-$ ,  $\text{SO}_4^{2-}$

7 Mar - 8 Mar

Thin layer chromatography :- Determination of  $R_f$  Value and identification of organic compound.

8 Mar - 13 Mar

TLC :- Separation of a mixture of coloured organic compound using common organic solvent.

15 Mar - 20 Mar

Viva-Voca

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer: Ms. RAJESWARI SINGH, Ms. RAJHI  
Class with sem: B.A 3rd Year, B.CA 3rd Year, B.Sc 3rd Year  
Subject/ Paper: ENVIRONMENTAL SCIENCE

Week	Topics
2 Nov to 7 Nov	Multidisciplinary nature of Environmental studies: Definition, Scope and Importance, Need of Public awareness.
9 Nov to 14 Nov	Biotic and Abiotic components of Environment Need of Public Awareness
16 Nov to 21 Nov	Renewable Energy Resources
23 Nov to 28 Nov	Non-Renewable Energy Resources
30 Nov to 5 Dec	Forest Resources, Water Resources
7 Dec to 12 Dec	Mineral Resources, Food Resources
14 Dec to 19 Dec	Energy Resources

21 Dec to 26 Dec	land Resources, Role of an Individual in conservation of natural Resources
28 Dec to 2 Jan	Revision and Test Ecosystem - Basic concept
4 Jan to 9 Jan	Structure and Functions of an Ecosystem
11 Jan to 16 Jan	Revision of Ecosystem concept Producers, consumers, decomposers; Energy Flow in an Ecosystem
18 Jan to 23 Jan	Ecological Succession in Detail Revision of Previous concepts
25 Jan to 30 Jan	Food Chain & Food Web
1 Feb to 6 Feb	Ecological Pyramids in Detail
8 Feb to 13 Feb	Introduction & Types of Forest Ecosystem
15 Feb to 20 Feb	Structure & functions of Forest Ecosystem



22 Feb to 27 Feb	Introduction & Types of Grassland Ecosystem
1 March to 6 March	Structure & Functions of Grassland Ecosystem
8 March to 13 March	Introduction, Types, Characteristics features of structure and function of Desert Ecosystem
15 March to 20 March	Introduction, Types, Characteristics features of structure & function of Aquatic Ecosystem
22 March to 27 March	Revision of Forest, Grassland, Desert & Aquatic Ecosystem
28 March to 31 March	Holi Break
1 April to 3 April	Revision of the whole syllabus
5 April to 10 April	Test
12 April to 16 April	Revision & Test of whole syllabus

UG - Lesson Plan from october - 2020 to March - 2021 (odd sem.)

Lecturer :	Rajita mam / Seema mam
Class with sem :	Ist Year / Ist sem
Subject / Paper :-	History and Appraisal of Art (Theory and Landscape and sketching Practical)

Week	Topics
5 oct to 10 oct	—
12 oct to 17 oct	—
19 oct to 24 oct Rajita mam	Mohenjodaro and Harappa sculpture, Mauryan sculpture - the Gupta Buddhist narrative.
26 oct to 31 oct	Sculpture of Gandhara and Mathura.
02 nov to 7 nov	Classical India Sculpture with special Reference to Sarnath.
09 nov to 14 nov	Post Gupta Sculpture of the Pallavas, Palas.
16 nov to 21 nov	Rashtrakutas and the Chaluk.

23 nov to 28 nov	Sculpture of Gandhara and Mathura. Classical Indian Sculpture with reference to Saenath Rashtrakutas and the Cholas.
30 nov to 5 Dec	Revision / Test
7 Dec to 12 Dec	Definition of Sculpture in the round relief Sculpture seals.
14 Dec to 19 Dec	Important mudras abhaya varada bhumisparsha, trana.
21 Dec to 26 Dec	Asanas - Padmasana, Lalitasana, vajrasana or vajrapoyntasana.
28 Dec to 2 Jan	Maharaja alilasana, bandhasana. Test
4 Jan to 9 Jan	Round relief Sculpture seals, Sculpture of Gandhara and Mathura Revision
11 Jan to 16 Jan	Test / Assignment / Practical work Sketching
18 Jan to 23 Jan Seema mam	Symbolisms, relief Sculpture seals, modeling, moulding. Practical work and sketching
25 Jan to 30 Jan	Contour and Symbolisms and application in Indian Art. Practical work still life and sketching

1 Feb to 6 Feb	Application in Indian art. Revision and Text Practical work and sketching
8 Feb 13 Feb	Assignment and Text Revision and still life
15 Feb to 20 Feb	Relief sculpture, seals, modeling, moulding, Plasticity contour. Text and Practical work
22 Feb 27 Feb	Practical work still life and Sketching
1 March to 6 March	Important midras ki Revision Practical work
8 March to 13 March	Revision All Theory syllabus Sketching
15 March to 20 March	Practical work still life and Sketching and extra Practical work



UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Rajita Mam / Seema Mam
Class with sem :	2nd Year / IIIrd sem
Subject / Paper :-	History and appreciation of Art (Theory) Landscape and sketching (Practical)

Week	Topics
3 oct to 10 oct	_____
12 oct to 17 oct	_____
19 oct to 24 oct Rajita mam	Early Indian Paintings : Ajanta Paintings, Paintings of Bagh.
26 oct to 31 oct	Early Indian Paintings : Badami, Sittan - vasal and Tanjore and sketching
02 nov to 7 nov	The Rajasthani School of Painting. The Mughal school.
09 nov to 14 Nov	The Pahari School and sketching.
16 nov to 21 nov	Modern Phase: Bengal School of Art, Company School. and Practical work

23 nov to 28 nov	Definition of mural, miniature. Fresco Composition and sketching Test.
30 nov to 5 Dec	Perspective foreshortening. (Test) Assignment (Sattan-vasal and Tanjore, Pahari School)
7 Dec to 12 Dec	Sketching, Assignment. (Bagh-Bachni, Paintings, Ajanta Paintings)
14 Dec to 19 Dec	Early Indian Paintings Revision Sketching.
21 Dec to 26 Dec	Modern Phase: (Bengal School of Art, Company School - Assignment) Sketching
28 Dec to 2 Jan.	Practical work Landscape and Sketching.
4 Jan to 9 Jan.	Practical work Sketching. (Pahari School - Sattan-vasal and Tanjore. Test)
11 Jan to 16 Jan	Assignment (Ajanta Paintings, Paintings of Bagh) Sketching.
18 Jan to 23 Jan <u>Scema mam</u>	Definition of mural, miniature, Fresco Composition and Perspective Revision and Sketching.
25 Jan to 30 Jan	Shadangs / Six limbs of Art. Practical work Landscape and Sketching.

1 Feb to 6 Feb	Indian Concept of Primary colour (varana) and The Symbolic meaning of each of the colours.
8 Feb 13 Feb	Class Test, Practical work Sketching and Landscape
15 Feb to 20 Feb	Assignment (Indian Concept of Primary colour) and Practical work and Sketching
22 Feb 27 Feb	Practical work landscape and Sketching
1 March to 6 March	Landscape and sketching, Test and Assignment
8 March to 13 March	All Theory syllabus Revision
15 March to 20 March	Practical work landscape and Sketching

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Rajita Mam / Seema Mam
Class with sem :	3rd Year / V <sup>th</sup> sem
Subject / Paper :-	History and appreciation of Art (theory) Composition and sketching (Practical)

Week	Topics
5 oct to 10 oct	—
12 oct to 17 oct.	—
19 oct to 24 oct Rajita mam	The Art of the Renaissance - The Art of baroque, Rococo.
26 oct to 31 oct	Neo-classicism modern movements. Practical work sketching.
02 nov to 7 nov	Impressionism, Expressionism, Cubism, Surrealism, Constructivism.
09 nov to 14 Nov	Classicism modern movements. Assignment (The Art of baroque, Rococo and Neo-classicism)
16 nov to 21 nov	Practical work Composition Sketching.



23 nov to 28 nov	Sarnath Buddha image Padmapani Avalokitesvar of Ajanta The Mother and child of Ajanta
30 nov to 5 Dec	Nataraj image of Shiva. Practical work composition and Sketching.
7 Dec to 12 Dec	Test → Baroque and Rococo and Neo-classicism Sketching
14 Dec to 19 Dec	Nataraj image of Shiva. Death of Inoya Khan (Mughal) Painting
21 Dec to 26 Dec	Ravana Shikiny MH. Kailash (Ellora) Practical work sketching and composition
28 Dec to 2 Jan	Krishna and Kaccha (Krishnagadh Painting) (Pahari, Kangra Painting) Practical work composition.
4 Jan to 9 Jan	Krishna quelling serpent Nalaya Sketching / Test
11 Jan to 16 Jan	Practical work sketching and composition. Assignment / Test
18 Jan to 23 Jan Seema mam	Sarnath Buddha image Padmapani Avalokitesvar of Ajanta Revision
25 Jan to 30 Jan	Practical work composition and Sketching.

1 Feb to 6 Feb	The Art of the Renaissance - The Art of Baroque, Rococo (Assignment, Test) Sketching.
8 Feb 13 Feb	Test (Neo-Classicism Modern movements. Practical work sketching)
15 Feb to 20 Feb	<del>the art</del> The Mother and child of Ajanta, Natraj image of Shiva Revision.
22 Feb 27 Feb	Padmavati Avalokitesvar of Ajanta Krishna and Radha (Krishnagadh painting) sketching.
1 March to 6 March	All Theory Syllabus Revision Test / Assignment.
8 March to 13 March	Practical work sketching and Composition.
15 March to 20 March	Practical work sketching and Composition.

U.G. - Lesson Plan from Nov. 2 to April 16 - Session - 2020-21

Lecturer - Dr. Madhumati, Dr. Indu Sharma, Dr. Yashwanti, Madhuwati.

Class with Semester - B. A. I. First Semester

Subject / Paper - Hindi

Week	Topics
2 Nov. to 7 Nov. -	कबीरदास - व्याख्यान
9 Nov. to 14 Nov. -	कबीर चरित्र तथा प्रश्न उत्तर
16 Nov. to 21 Nov. -	सूरदास - व्याख्यान
23 Nov. to 28 Nov. -	सूरदास चरित्र तथा प्रश्न उत्तर
1-12 Nov. to 5 Dec. -	तुलसीदास - व्याख्यान
7 Dec. to 12 Dec. -	तुलसीदास चरित्र तथा प्रश्न उत्तर
14 Dec. to 19 Dec. -	प्रथम तीन इति पुराणवृत्ति तथा कक्षा परीक्षा
21 Dec. to 26 Dec. -	मीराबाई - व्याख्यान
28 Dec. to 2 Jan. -	मीराबाई चरित्र तथा प्रश्न उत्तर
4 Jan. to 9 Jan. -	बिहारी - व्याख्यान
11 Jan. to 16 Jan. -	बिहारी चरित्र तथा प्रश्न उत्तर
18 Jan. to 23 Jan. -	रामानन्द - व्याख्यान
25 Jan. to 30 Jan. -	रामानन्द चरित्र तथा प्रश्न उत्तर
1 Feb. to 6 Feb. -	हनुमान - व्याख्यान
8 Feb. to 13 Feb. -	हनुमान चरित्र तथा प्रश्न उत्तर
15 Feb. to 20 Feb. -	अन्तःकार कवि की पुराणवृत्ति, कक्षा परीक्षा तथा रस - परिचय
22 Feb. to 27 Feb. -	आदिमानव जीवन परंपरा, परिस्थितियों, नामकरण
1 March to 6 Mar. -	आदिमानव की जन्म दिवस, रामायण परम्परा
8 Mar. to 13 Mar. -	नाग, जैन, सिद्ध कवियों की जन्मदिनांक
15 Mar. to 20 Mar. -	आदिमानव की पुराणवृत्ति तथा कक्षा परीक्षा
22 Mar. to 27 Mar. -	काव्य के लक्ष्य, काव्य के गुण
28 Mar. to 31 Mar. -	रस
1 April to 3 April -	काव्य की शब्द शक्ति, अलंकार
5 April to 10 April -	रस
12 April to 16 April. -	काव्य शब्द की पुराणवृत्ति तथा कक्षा परीक्षा



UG - Lesson Plan from Oct-5 to Mar-15 - 2020-21

Lecturer - Dr. Madhumalti, Dr. Indu Sharma, Dr. Yashwanti, Mrs. Preeti

Class with Semester - B. A. II - Third semester

Subject/Paper - Hindi

<u>Week</u>	<u>Topics</u>
5 Oct. to 10 Oct. -	संस्कृत लिख उपाख्यान 'हरिऔध' - व्याख्या
12 Oct. to 17 Oct. -	उपाख्यान परिचय तथा प्रश्न - उत्तर
19 Oct. to 24 Oct. -	मैथिली शरण गुप्त - व्याख्या
26 Oct. to 31 Oct. -	गुप्त परिचय तथा प्रश्न उत्तर
2 Nov. to 7 Nov. -	जयशंकर प्रसाद - व्याख्या
9 Nov. to 14 Nov. -	प्रसाद परिचय तथा प्रश्न उत्तर
16 Nov. to 21 Nov. -	तीन कवि व्याख्या, संबंधित प्रश्न की कक्षा परीक्षा पुनरावृत्ति तथा
23 Nov. to 28 Nov. -	सूर्यकांत त्रिपाठी 'निराला' - व्याख्या
30 Nov. to 5 Dec. -	महादेवी वर्मा - व्याख्या
7 Dec. to 12 Dec. -	निराला तथा वर्मा परिचय तथा प्रश्न उत्तर
14 Dec. to 19 Dec. -	राजशारी सिंह दिनकर - व्याख्या
21 Dec. to 26 Dec. -	राजशारी सिंह दिनकर - व्याख्या
28 Dec. to 2 Jan. -	भारत भूषण अनुबाल - व्याख्या
4 Jan. to 9 Jan. -	दिनकर व अनुबाल परिचय तथा प्रश्न उत्तर
11 Jan. to 16 Jan. -	चार कवि व्याख्या, संबंधित प्रश्न की कक्षा परीक्षा व गृह परीक्षा पुनरावृत्ति
18 Jan. to 23 Jan. -	सीतिकांत शुक्ल मुक्ति, नामकरण तथा परिशिष्टियाँ
25 Jan. to 30 Jan. -	सीतिकांत, सीतिकांत तथा सीतिकांत काव्य की प्रवृत्तियाँ
1 Feb. to 6 Feb. -	सीतिकांत की उपलब्धियाँ तथा सीतिकांत की पुनरावृत्ति
8 Feb. to 13 Feb. -	समकाल कवियों की पुनरावृत्ति
15 Feb. to 20 Feb. -	प्रफौजबहादुर हिन्दी - सम्प्रदाय, अनुवाद
22 Feb. to 27 Feb. -	ई. मैल, इंटरनेट, मराठी अनुवाद
1 Mar. to 6 Mar. -	कविता पुस्तक की कक्षा परीक्षा
8 Mar. to 13 Mar. -	सीतिकांत की कक्षा परीक्षा तथा प्रफौजबहादुर हिन्दी की पुनरावृत्ति
15 Mar. to 20 Mar. -	समकाल पाठ्यक्रम की पुनरावृत्ति



UG - Lesson Plan from Oct 5 to Mar 15 - 2020-21

Lecturer - Dr. Madhumalti, Dr. Indu Sharma, Dr. Yashwanti, Mrs. Preeti

Class with Semester - B.A. III - Fifth Semester

Subject / Paper - Hindi

Week	Topics
5 Oct to 10 Oct	सचिदानंद हीरानंद बालूपापन 'अक्षय' - व्याख्या
12 Oct to 17 Oct	अक्षय परिचय तथा प्रश्न उत्तर
19 Oct to 24 Oct	धर्मवीर भारती - व्याख्या
26 Oct to 31 Oct	भारती परिचय तथा प्रश्न उत्तर
2 Nov to 7 Nov	नंददा महता - व्याख्या
9 Nov to 14 Nov	भद्रता परिचय तथा प्रश्न उत्तर
16 Nov to 21 Nov	प्रथम तीन कवि व्याख्या, संबंधित प्रश्न की पुनरावृत्ति तथा मंचापरीक्षा
23 Nov to 28 Nov	नागार्जुन - व्याख्या
30 Nov to 5 Dec	नागार्जुन परिचय तथा प्रश्न उत्तर
7 Dec to 12 Dec	रघुवीर महाथ - व्याख्या
14 Dec to 19 Dec	महाथ परिचय तथा प्रश्न उत्तर
21 Dec to 26 Dec	सुमर नारायण - व्याख्या
28 Dec to 2 Jan	नारायण परिचय तथा प्रश्न उत्तर
4 Jan to 9 Jan	लीलाधर जगूडी - व्याख्या
11 Jan to 16 Jan	जगूडी परिचय तथा प्रश्न उत्तर
18 Jan to 23 Jan	बादल नार कवि की पुनरावृत्ति, कला परीक्षा तथा रूढ़ि-परिचयना
25 Jan to 30 Jan	आधुनिक काल कविता, परिशिष्ट कवि, भारतनंद पुनः प्रवृत्तियों तथा कवि न स्यात्
1 Feb to 6 Feb	द्वितीय पुनः, दीपाबाद, प्रगतिवाद प्रवृत्तियों, कवि तथा स्यात्
8 Feb to 13 Feb	प्रेमाबाद, नई कविता, ललकासीत कविता प्रवृत्तियों, कवि तथा स्यात्
15 Feb to 20 Feb	आधुनिक काल पुनरावृत्ति, संबंधित प्रश्न तथा कला परीक्षा
22 Feb to 27 Feb	कविता पुस्तक की पुनरावृत्ति
1 March to 6 Mar	संदेह, चन्द्रचूष
8 Mar to 13 Mar	पत्र - व्याख्या
15 Mar to 20 Mar	संस्कृत प्रवृत्तियों की पुनरावृत्ति

### UG - Lesson Plan from November - 2020 to April - 2021

<b>Lecturer :</b> Ms. Babita Chaudhary. Ms. Ruchi VAS.
<b>Class with sem :</b> BA - 1st Year , 1 Semester
<b>Subject / Paper :-</b> HISTORY HISTORY of India ( Earlier period to 1800 A.D )

Week	Topics
2 Nov - 7 Nov.	
9 Nov -14 Nov	
16 Nov to 21 nov	
23 nov to 28 nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	Reconstructing and Interpreting Ancient India, Meaning, definition, main sources and foreign accounts.
21 Dec to 26 Dec	Pre - Historical Age, Palaeolithic age and its features. The middle age and Rock-art. Neo - lithic age, its concept and features.

28 Dec to 2 Jan	Harappan Civilization - Discovery, Age, Founders, origin, main sites, Urban Planning, Mohenjo-daro, Urban Decline and Later Harappan Culture.
4 Jan to 9 Jan	The Vedic Age, Vedic Literature, Organizational Background, Vedic Society, Economy, Religion, Polity. The Later Vedic Age and its changes.
11 Jan to 16 Jan	Second Urbanization and rise of territorial states. Historical Background, 16 Mahajanapada and Republics. Rise of Magadha - Cause, rise, main dynasties, Rulers.
18 Jan to 23 Jan	New Religious Movements - Jainism and Buddhism. Causes of new religious movements, Jainism - its origin, Mahavira and his teachings. Buddhism - Lord Buddha and his teachings.
25 Jan to 30 Jan	Foreign Invasions - Achaemenian and Macedonian. Their impact. Alexander's Invasions of India. First Unit test.
1 Feb to 6 Feb	The Mauryas Empire. Rulers, Ashoka's Kalinga War and its impact. Ashoka's Dhamma and measures of propagation. Mahse.
8 Feb to 13 Feb	Post Mauryan Period - Kushanas, Satavahanas, Cholas. Kanishka and his Buddhism, Architecture and Mahayan Buddhism.
15 Feb to 20 Feb	- The Sangham Age. Literature, Social, Economy and Political, Religious life. Second Unit test.
22 Feb to 27 Feb	- The Gupta Empire. Sources, Gupta's rulers, Central Administration and other features. Golden age of Classical age.
8 March to 13 March	Post Gupta Empire. Vasudhara dynasty, Harshavardhana (606-647 AD) military administration, religious assembly. Class Test.

15 March to 20 March	Tripartite struggle - Prabhakar, Palas, Rashtrakutas and Early Ravidas Causes of origin of Rajputs.
22 March to 26 March	Historical Background to the establishment of Delhi Sultanate: Arab and Turk Invasions, Mahmud Ghazni and Muhammad Ghori's Invasions and effects.
27 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Complete - Third Unit Test First Two Maps - Important Sites of Indus Valley Extent of Ashoka's Empire, Pillars and edicts.
5 April to 10 April	Three maps - Ports, Trading centres and routes of Ancient India. Extent of Kaniska's Empire Extent of Harsha's Empire.
12 April to 16 April	Revision of Short answer type questions VIVA.

Trishita Chaudhary



UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Mrs Babita Choudhary, Mrs Ruchinots
Class with sem :	B.A 2 <sup>nd</sup> year 3 <sup>rd</sup> Sem
Subject / Paper :-	HISTORY = History of India. (1707-1947 A.D.)

Week	Topics
2 Nov - 7 Nov.	
9 Nov - 14 Nov	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	Decline of Mughal Empire and rise of Successor States, Causes, Emergence of Regional states.
21 Dec to 26 Dec	British Conquest of India Battle of Plassey, Buxar, Causes, Events, Results, Importance. Decline of Mysore, Maratha's power. Awadh, Sindhi, and Punjab - Anglo relations.

28 Dec to 2 Jan	Administration and foreign Policy Acts. Acts - 1773, 1793, 1817, 1832, 1853. Relations with Provincial of foreign states.
4 Jan to 9 Jan	Early Resistance and Revolt of 1857 Civil, Tribal or Peasants Revolts. Revolution of 1857, Causes, Events, Consequences and Nature.
11 Jan to 16 Jan	Social Condition in 18th century. Causes of Backward position of women.
18 Jan to 23 Jan	Indian Culture Renaissance Causes of origin, Brahma samaj; Arya Samaj, Ram Krishna Mission
25 Jan to 30 Jan	Social Impact of British Rule. oriental and Evangelical Ideology, Utilitarianism, Revision and class test.
1 Feb to 6 Feb	Economic Conditions in 18th century, Economic impact of British Rule. Rise of Modern Industry. British land Revenue Policy Permanent, Settlements Ryotwari and Mahalwari, Settlements Decline of Cotton Industry and De-industrialisation.
8 Feb to 13 Feb	Causes of Emergence of Nationalism, Imp. Point. formation of Indian National Congress
15 Feb to 20 Feb	Congress and National freedom Movement (1885-1919) Moderates, Extremists - causes of rise, principles Programs, Methods and Assessment
22 Feb to 27 Feb	National freedom Movement (1919 - 1947) Khilafat and Non-Cooperation movement. Civil Disobedience Movement. Quit Indian Movement.
8 March to 13 March	Revolutionaries Aims, Principles, Method, Development and assessment, Revision of three Movements.

21 March to 20 March	Constitution Development (1919-1935) Act of 1909, Act of 1919 and Act of 1935.
22 March to 26 March	Short Answer Type Questions. Class test. Emergence of Communalism and Separatist Politics.
27 March to 31 March	Holi Break
1 April to 3 April	Complete second unit test Negotiations for independence and Transfer of Power A Map on Andhra During 1764. Revision of Imp. Ques of 3rd unit.
5 April to 10 April	Revision of first and 2nd unit. Two Maps. Site of 1857 Revolt Centres of Socio-Religious Movements.
12 April to 16 April	Two Maps - Imp. Places of Revolutionary Movement Places of Significant sessions of congress. Problem Solving Session. Short Answer Type Ques. Viva

Talib Chowdhury

UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Mrs. Babita Choudhary, Mrs. Anika Vats
Class with sem :	B.A 3 <sup>rd</sup> year 5 <sup>th</sup> Sem
Subject / Paper :-	HISTORY = Ancient and Medieval Periods

Week	Topics
2 Nov - 7 Nov.	
9 Nov - 14 Nov.	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	Palaeolithic and Mesolithic Cultures. Lower, Middle and upper Palaeolithic age. Mesolithic age.
21 Dec to 26 Dec	Neolithic Age - Concept and features. First and second lesson short answer type questions.



28 Dec to 2 Jan	Sumerian Civilization. Discovery, origin, Political History and structure Social, Economic, Religious and Cultural Structure.
4 Jan to 9 Jan	Short answer type Questions of whole unit class test.
11 Jan to 16 Jan	[Greek Civilization] History of Pre-Iron-Age Greece Rise up of city states - sparta, Athens, Contribution of Greek Culture.
18 Jan to 23 Jan	Roman Civilization, Geography, Roman sources, Political History, Monarchy, Democracy, imperial age, legacy of Roman Civilization.
25 Jan to 30 Jan	Indian Civilization, The Vedic age, Vedic literature, Geographical background, Vedic society, Economy, Religion and Polity, Later Vedic Age - changes of Economy, Polity, Religion and Social
1 Feb to 6 Feb	Feudalism, Meaning, Nature, Reason for Rise, Main features, Advantages, Disadvantages, Reason for the decline of Feudalism.
8 Feb to 13 Feb	Short & Long Answer type Questions.
15 Feb to 20 Feb	Role of Church in Medieval Europe. Church origin, organization, Monasteries, Types, Relations of Church and society, contribution of church to Medieval Europe.
22 Feb to 27 Feb	Pre-Islamic Arabia, condition of Arabia before the rise of Islam - Social, Economic, Religious, Political and other life.
8 March to 13 March	Rise of Islam, Prophet Muhammad, Early four Caliphs - Khilafat - A - Rasidat - Abubaker (632-634 AD), Umar (634-644 AD), Uthman (644-656 AD), Ali (656- 661 AD).

15 March to 20 March	Islamic Society, Organisation of Society by Prophet Mohammed, Islamic society under Ummayyad, Islamic Society Under Abbassids.
22 March to 26 March	Renaissance and Reformation. Renaissance - Meaning, Causes, Development, Reformation in Germany, Role of Martin Luther, effects and significance of Reformation.
27 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Map (1) - Important sites of India Civilization. Map (2) - Important sites of Sumnerian Civilization. Revision of Map (1) & (2).
5 April to 10 April	Map (3) - Main centres of Greek civilization. Map (4) - Arab Empire under Abbassids.
12 April to 16 April	Problem Solving Session. Short ans type Question, Viva Short out the students problem.

Kishan Choudhary

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer: Sangeeta Manrow  
 Class with sem: B.A (2) Semester 2 (2020-21)  
 Subject/ Paper: Home Science (Home Management)

Week	Topics
2 Nov to 7 Nov	General Introduction of Home Science Concept of Home Science Definition of Home Science Meaning and scope of Home Science
9 Nov to 14 Nov	Revision of concept, definition + scope of Home Science Short Question answer test Functions of Home
16 Nov to 21 Nov	Selection of site for an ideal House (Land, Locality, Orientation and Sanitization) Question Answer session related to above topic Short test
23 Nov to 28 Nov	Kitchen Gardening: Introduction, Definition + utility, Raising of Kitchen Garden, Types of manure. Doubt clearing session
30 Nov to 5 Dec	Providing additional study material on the above topic and short question answer tests
7 Dec to 12 Dec	Introduction to Unit II: <u>Elements, Principle of Art</u> Elements of Art (line, form, texture, shape and colour)
14 Dec to 19 Dec	Principle of Art: Introduction Different Principle of Art Harmony, Balance, Rhythm, Proportion, Emphasize Doubt clear session related to Elements and Principle of Art.



21 Dec to 26 Dec	Flower Arrangement: Definition, Meaning, Importance of flower arrangement, Types of flower arrangement.
28 Dec to 2 Jan	Color: <u>Characteristics &amp; scheme</u> Introduction, Definition, types of colors, color scheme. Sukt clearing session.
4 Jan to 9 Jan	Introduction to Unit III: <u>Consumer Education &amp; Home Management</u> (Definition of Consumer & Consumer choice)
11 Jan to 16 Jan	Consumer Problems, Consumer Protection Act, Consumer Right's & Duties, Lodging complaint, Standardization
18 Jan to 23 Jan	Meaning of Home Management, Process of Home Management.
25 Jan to 30 Jan	Classification of Resources, Similarities of different resources. Introduction to unit IV: Money, Time & Energy Mgt.
1 Feb to 6 Feb	Meaning of Money Management, Types of family Income, Process of Money Management.
8 Feb to 13 Feb	Types of Budget, Factors affecting Budget, steps in Preparation of family Budget.
15 Feb to 20 Feb	Ways of supplementing family Income. Introduction to Time Management (Definition, Process of Time Management and tools in Time Management.)



22 Feb to 27 Feb	Introduction to Energy Management Process of Energy Management
1 March to 6 March	Fatigue, its type and explanation of the process, factors affecting fatigue
8 March to 13 March	Work Simplification: Introduction Meaning & Definition
15 March to 20 March	Energy expenditure on different activities Energy Requirement in different stages of family life cycle
22 March to 27 March	Work Simplification: Definition and method of Work Simplification
28 March to 31 March	Holi Break
1 April to 3 April	Revision of Unit I & Unit II
5 April to 10 April	Revision of Unit III
12 April to 16 April	Revision of Unit IV

UG-Lesson Plan from oct 2020 to March 2021

Lecturer Sangeeta Mansour (took classes till 17/12/21) & Priyanka (from 21/1/2021 to 9/03/21)

Class with sem B.A (III<sup>rd</sup>) Semester

Subject/ Paper Clothing & Textiles

Week	Topics
5 Oct - 10 Oct	Introduction to Unit 2: Animal cell
12 Oct - 17 Oct	Animal cell structure: diagram
19 Oct - 24 Oct	Making students practice the diagram
26 Oct - 31 Oct	Description of Animal cell: structure & function
2 Nov - 7 Nov	Description of Animal cell: structure & function
9 Nov - 14 Nov	<u>Skeletal system</u> : Introduction & functions
16 Nov - 21 Nov	<u>Skeletal system</u> : Types of bones Types of joints

23 Nov - 28 Nov	Introduction to Digestive System: Diagram of Alimentary Canal
30 Nov - 5 Dec	Digestion in Mouth & Pharynx (Unit II)
7 Dec - 12 Dec	Digestion and Absorption in Oesophagus & Stomach
14 Dec - 19 Dec	Digestion & absorption in small Intestine
21 Dec - 26 Dec	Large Intestine
28 Dec - 2 Jan	Excretory System: Structure & function of Kidneys
4 Jan - 9 Jan	structure and function of skin
11 Jan - 16 Jan	structure & function of lungs
18 Jan - 23 Jan	Test on Unit I & Unit II

25 Jan - 30 Jan

Unit III Circulatory System  
Composition & function of blood  
Coagulation of blood

1 Feb - 6 Feb

Heart: structure & working  
Blood Pressure  
Normal level of Haemoglobin, cholesterol  
uric acid, urea, glucose in blood

6 Feb - 13 Feb

Reproductive System  
Female Reproductive System

15 Feb - 20 Feb

Menstruation, fertilization, Pregnancy &  
parturition

22 Feb - 27 Feb

Endocrine System: - Pituitary & Thyroid gland

1 Mar - 6 Mar

Parathyroid & Adrenal gland

6 Mar - 13 Mar

Islets of Langerhans

15 Mar - 20 Mar

Revision of Unit III & IV



UG-Lesson Plan from oct 2020 to March 2021	
Lecturer Class with sem Subject/ Paper	Dr Priyanka Sharma (21/12/20 to 9/7/21) B.A III (V <sup>th</sup> semester) Foods & Nutrition
Week	Topics
5 Oct - 10 Oct	Food - classification & functions of food, food groups
12 Oct - 17 Oct	Essential food constituents : Carbohydrate, Protein
19 Oct - 24 Oct	Carbohydrates Proteins continued (source, function, RDA, effects of deficiency & excess of these food constituents)
26 Oct - 31 Oct	Fats, water (source, function, RDA, effects of deficiency & excess of these food constituents)
2 Nov - 7 Nov	Vitamin A & D Food source, function, RDA, effects of deficiency & excess of above
9 Nov - 14 Nov	Vit B & Vitamin B Food source, function, RDA, effects of deficiency & excess of above
16 Nov - 21 Nov	Niacin Food source, function, RDA, effects of deficiency & excess of above

23 Nov - 28 Nov	<u>Minerals - Calcium &amp; Phosphorus:</u> Food source, Functions, RDA, effects of deficiency & excess of above.
30 Nov - 5 Dec	Minerals: Iodine (Food source, functions, RDA, effects of deficiency & excess of above)
7 Dec - 12 Dec	Importance and Methods of cooking → Effect of cooking on different nutrients
14 Dec - 19 Dec	<u>Methods of cooking:</u> Advantages & disadvantages Moist Heat: Boiling & stewing & steaming
21 Dec - 26 Dec	<u>Dry Heat:</u> Roasting, Grilling, Baking
28 Dec - 2 Jan	Frying: Shallow & Deep Microwave cooking in Brief
4 Jan - 9 Jan	<u>Unit III: - Methods of Enhancing Nutritive Value of food.</u> (a) Importance of enhancing nutritive value of food.
11 Jan - 16 Jan	(b) <u>Method of Enhancing Nutritive Value of food</u> sprouting, fermentation
18 Jan - 23 Jan	Combination and supplementation

25 Jan - 30 Jan	<u>III Unit: Food Preservation</u> (a) Importance of Food Preservation
1 Feb - 6 Feb	(b) Causes of Food Spoilage in Brief
8 Feb - 13 Feb	<u>Methods of food Preservation with emphasis on household Methods</u>
15 Feb - 20 Feb	Unit III:- Meal Planning (a) Concept of Balanced diet
22 Feb - 27 Feb	(b) Principles of Meal Planning & factors affecting it
1 Mar - 6 Mar	(c) Planning Meals of: children, Adolescent, Adults, Pregnant & lactating women
8 Mar - 13 Mar	- do -
15 Mar - 20 Mar	Revision

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Manju Jain
Class with sem :	B. A. I Year Ist Sem
Subject / Paper :-	Music (Jus) M I (01)

Week	Topics
22 Oct to 24 Oct	Definitions of the following Sangeet, Swar
26 Oct to 31 Oct	Rag Parichay of Bhupali Aaroh, Avaroh & Pakad   Handle the Sitar
1 Nov to 7 Nov	Ability to write at least five Alankars Recognise of Swar in Sitar
9 Nov to 14 Nov	Nad, Shrota ki Definition   Ball of Da & Ra, Ki practice in Sitar
16 Nov to 21 Nov	Rag Bhupali Ki Rajakhani Ghat in written Sa, Re, Ga, Ma, Alankar No. 1 Ki Practice in Sitar
23 Nov to 28 Nov	Ghat & Jhala Ki Definitions Test of Five Alankars / Practice in Sitar
30 Nov to 5 Dec	Rag Bhupali Ke Take Rajakhani Ghat / Practice in Sitar Rag Bhupali Ki Rajakhani Ghat
7 Dec to 12 Dec	Test of Notation Rag Bhupali / Practice in Sitar (Rag Bhupali Rajakhani Ghat)
14 Dec to 19 Dec	Definitions of Toda, Rag & That Taal Teental Ki Elgun, Dugun / Practice in Hand
21 Dec to 26 Dec	Classification of Indian Instruments in written Test of Sangeet, Swar



28 Dec. to 2 Jan	Parichay of Rag Kafi, Aaroh, Avaroh Akad / Practice of Rag Bhroopali in Sitar
4 Jan to 9 Jan	Definition of vadi, Samvadi, Ravi Shankar Ka Life Sketch / Rag Ki Practice in Sitar
11 Jan to 16 Jan	Test of Taal Teental / Practice in hand Test of Nad & Shrutti / Sitar (Rag)
18 Jan to 23 Jan	Life Sketch of Ustad Vilayat Khan / Rajakhani Gat of Rag Kafi practice in Sitar
25 Jan to 30 Jan	Tone of Rag Kafi / Practice in Sitar
1 Feb to 6 Feb	Role of media in the development of Indian classical music / Rag Kafi Ki Practice in Sitar
8 Feb to 13 Feb	Test of vadi, Anuvadi Samvadi vivadi / Practice in Sitar whole Rag
14 Feb to 20 Feb	Short Notes of whole syllabus Viva Test / Practice of Sitar
22 Feb to 27 Feb	Test of Rag Kafi Ki Rajakhani Gat / Practice in Sitar
1 Mar to 6 Mar	Assignment of Life Sketch check
8 Mar to 13 Mar	Test of Role of media in the development of Indian classical music / Rag Ki Practice in Sitar
15 Mar to 20 Mar	Revision

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Manjushree
Class with sem :	2nd Year 3rd Sem
Subject / Paper :-	music (JHS) (M.I) 03

Week	Topics
22 Oct to 24 Oct	Rag Bihag Ka Parichay & Aalap
26 Oct to 31 Oct	Rag Bihag Ki Masheetkharicant ki written Practice in Sitar Masheetkharicant
2 Nov to 7 Nov	Rag Bihag Ki Masheetkharicant Ke Tone Practice in Sitar
9 Nov to 14 Nov	Rag Bihag Ki Rajakhari Cant & Practice in Sitar
16 Nov to 21 Nov	Rag Bihag Ke Rajakhari Cant Ke Tone & Jhala & Practice in Sitar
23 Nov to 28 Nov	with 5 A Lakhar in each rags. Rag Ahar Bhairav, Bihag & Bageshwari Rag Bihag Ke whole Rag Ki Practice
30 Nov to 5 Dec	Rag Bihag Ke Notation - Ka Test Taak Tilak / Practice in Rand
7 Dec to 12 Dec	Rag Bageshwari Ka Parichay, Masheetkharicant / Practice in Sitar
14 Dec to 19 Dec	Rag Bageshwari Ke Masheetkharicant Ke Tone / Practice in Sitar
21 Dec to 26 Dec	Rag Bageshwari Ki Rajakhari Cant Practice in Sitar

28 Dec to 2 Jan	Adachantal / Practice in - Rand
9 Jan to 9 Jan	Rag Bageshwari Ki Rajakhanai Ghat ke Tore & Jhala / Practice in Sitar
11 Jan to 16 Jan	Test of Rag Bageshwari Ki Rajakhanai Ghat & Adachantal / Practice in Sitar
18 Jan to 23 Jan	Short notes of (1) A. Spatik - Bahukra Avirbhav - Tizobhav & Rag Aheer Bhairav Ka Parichay & Aalap
25 Jan to 30 Jan	Rag Aheer Bhairav Ki Masthaktkhani Ghat / Practice in Sitar
1 Feb to 6 Feb	Rag Aheer Bhairav Ka Masthaktkhani Ghat Ke Tore / Practice in Sitar
8 Feb to 13 Feb	Pravrit Parveshak Rag, Sandhiprakash Rag Suryambhu Nad / Practice of Rag Aheer Bhairav
15 Feb to 20 Feb	Method of tuning of instrument Sitar & description of Sitar / Rag Aheer Bhairav Ki Rajakhanai Ghat written / Practice in Sitar
22 Feb to 27 Feb	Test of Rag Aheer Bhairav Ki Masthaktkhani Ghat / Tore of Rag Aheer Bhairav Practice in Sitar
1 Mar to 6 Mar	Rag Aheer Bhairav Ka Jhala / Practice in Sitar
8 Mar to 13 Mar	Contribution towards musicians of (1) Abdul Halim Zafar Khan (2) Annapurna Devi / Practice of Rag Bihag
15 Mar to 20 Mar	Description of (1) Rudra Veena (2) Sazangi / Practice of Taal & Rag



## Lesson Plan from October - 2020 to March - 2021

Lecturer :	Mangra Jain
Class with sem :	B.A III 5th Sem
Subject / Paper :-	Music (Jus) M.I (05)

Week	Topics
22 Oct to 24 Oct	Rag Miyan Ki Tori Ka Panchay & Aalap Aaroh Avaroh Pakad
26 Oct to 31 Oct	Masheet-khani Ghat of Miya Ki Tori / Practice in Sitar
2 Nov to 7 Nov	Miyani Tori Ke Masheet-khani Ghat Ke Tori Practice in Sitar
9 Nov to 14 Nov	Miyani Tori Ki Rajakhani Ghat / Practice in Sitar
16 Nov to 21 Nov	Taal Dhamar in written / Practice in Sitar Ekgun, Dugun, Tigun & Chaugun Miyani Tori
23 Nov to 28 Nov	Tone of Rajakhani Ghat Miyani Tori / Practice in Sitar
30 Nov to 5 Dec	Jhala of Miyani Tori / Practice in Sitar
7 Dec to 12 Dec	Test of Notation - Rajakhani Ghat Miyani Tori / Taal Dhamar Practice in hand
14 Dec to 19 Dec	Rag Miyan Malhar Ka Panchay, Aaroh, Avaroh, Pakad / Practice of Rag Miyan Ki Tori.
21 Dec to 26 Dec	Rag Miyan Malhar Ki Masheet-khani Ghat / Practice in Sitar



28 Dec to 2 Jan	Tone of Raag Miyan Malhar Ki Mashkeekhavi Gait / Practice in Sitar
4 Jan to 9 Jan	Taal Sultaal Ekgun, dugun, Tigun & Chaugun / Practice in hand
11 Jan to 16 Jan	origin & Development of Notation System along with their merits & demerits / Practical Rajakhavi Gait of Raag Miyan Malhar in Sitar
18 Jan to 23 Jan	Tone in written Miyan Malhar / Practice in Sitar Test of Taal Dhamar
25 Jan to 30 Jan	Jhala of Raag Miyan Malhar / Practice in Sitar Placement of Swaras on veena by Shrinivas.
1 Feb to 6 Feb	Raag Tilak Kamod Ka Parichay Aaroh, Avaroh & Pakad / Practice in Sitar Aaroh, Avaroh, Pakad
8 Feb to 13 Feb	Taal Jhaptaal Ekgun, Dugun, Tigun & Chaugun / Practice in hand
15 Feb to 20 Feb	Raag Tilak Kamod Ki Mashkeekhavi Gait in written / Practice in Sitar
22 Feb to 27 Feb	Tone of Tilak Kamod / Practice in Sitar or Ustad Mustafa Ali Khan life sketch
1 Mar to 6 Mar	Raag Tilak Kamod Ki Rajakhavi Gait / Practice in Sitar Pandit Nikhil Banerjee life sketch
8 Mar to 13 Mar	Role of Internet in Popularizing music Tone & Jhala of Raag Tilak Kamod / Practice in Sitar
15 Mar to 20 Mar	Test of Rajakhavi Gait (Notation) Raag Tilak Kamod & / Taal Ki Practice in hand Revision

## Lesson Plan from October - 2020 to March - 2021

Lecturer :	Arkhita
Class with sem :	1st Year (1st Sem.)
Subject / Paper :-	Music (Vocal)

Week	Topics
22 Oct to 24 Oct	discuss about music & swars
26 Oct to 31 Oct	detail knowledge about swar. Saptak, Naad, Dhvani etc
2 Nov to 7 Nov	Knowledge about Raag. That, Vadi-Samvadi
9 Nov to 14 Nov	detail knowledge - shruvadi, vivadi, khyal, Tarana
16 Nov to 21 Nov	detail study about taal & its parts kholi-Taal, Sam, etc
23 Nov to 28 Nov	deep study about Alankar. How to Create Alankar.
30 Nov to 5 Dec	Singing Practice of swar & Alankar.
7 Dec to 12 Dec	Test - Swar and Alankar, oral and written both.
14 Dec to 19 Dec	Raag Bhupali Parichay in short lay.
21 Dec to 26 Dec	Raag Bhupali Singing Practice

28 Dec to 2 Jan	Teentaal Practice with hand beats.
4 Jan to 9 Jan	Raag Bhupali Singing Practice <del>with</del> in Teentaal.
11 Jan to 16 Jan	Raag Kafi Parichay in Dhrut Lay.
18 Jan to 23 Jan	Raag Kafi Singing Practice
25 Jan to 30 Jan	Khari Taal Parichay with hand beats
1 Feb to 6 Feb	Raag Bhupali & kafi test
8 Feb to 13 Feb	Knowledge map: - Desi Sangraha.
15 Feb to 20 Feb	Practice of Identification of taal on Table.
22 Feb to 27 Feb	Contribution toward music of Pt. Vishnu Digambar Pulastkar & Raag Bhupali test
1 Mar to 6 Mar	Contribution toward music of Pt. V. N. Bhatkhande. & Raag kafi test
8 Mar to 13 Mar	Alankar Singing & on Harmonium Playing Practice.
15 Mar to 20 Mar	— Revision —



## Lesson Plan from October - 2020 to March - 2021

Lecturer :	Niketa
Class with sem :	2nd year (2nd sem)
Subject / Paper :-	Misc (vocal)

Week	Topics
22 Oct to 24 Oct	Raag Behag Ka Parichay. Dhrut lay Singing Practice
26 Oct to 31 Oct	Raag Behag Ki Taane & Dhrut khyal. Singing Practice
2 Nov to 7 Nov	Raag Behag Ki Notation Ka Parichay and Singing Practice with Notation.
9 Nov to 14 Nov	Raag Behag Singing Practice with taal & Taans EKtaal Parichay.
16 Nov to 21 Nov	Raag Behag Test & Raag Bageshwari Parichay.
23 Nov to 28 Nov	Raag Bageshwari Dhrut khyal Parichay.
30 Nov to 5 Dec	Raag Bageshwari Dhrut khyal Singing Practice.
7 Dec to 12 Dec	Raag Bageshwari Singing Practice with Taal & Taans
14 Dec to 19 Dec	Ala Chantal / Practice in hand.
21 Dec to 25 Dec	EKtaal Practice in hand.



28 Dec to 2 Jan	Raag Bageshwari Dhat Khajal Exercise with Taal, Tann & Test.
4 Jan to 9 Jan	Writing 5 Alankars in Raag Bageshwari & Raag Behag and Exercise in Singing.
11 Jan to 16 Jan	Mala Chhantal ka test with Raag Bageshwari & Ektaal. Raag Aheer Bhairav Parichay.
18 Jan to 23 Jan	discussion - Short Topics (i) Avibhava - Tribhava (ii) Alpa - Bahava
25 Jan to 30 Jan	discuss about Raag Kritis. Test all short Topics.
1 Feb to 6 Feb	Short notes of - Dhamar Dhamar & Khajal
8 Feb to 13 Feb	Short notes of - Tappa Thumri
15 Feb to 20 Feb	Raag Aheer Bhairav Parichay with Notation.
22 Feb to 27 Feb	Raag Aheer Bhairav Singing Exercise with Taal & Tans.
1 Mar to 6 Mar	Contribution towards music of 1. Bade Gulam ali Khan. 2. Krishan Rao Shanker Pandit 3. Ustad Fayyaz Khan
8 Mar to 13 Mar	Method of Tuning Tanpura & How to Sing with Tanpura.
15 Mar to 20 Mar	— Revision —

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Niketa
Class with sem :	3rd Year / 8th Sem
Subject / Paper :-	Music (Vocal)

Week	Topics
22 Oct to 24 Oct	Raag Bhairvi Ka Parichay in Sind Lay & Singing Practice.
26 Oct to 31 Oct	Raag Bhairvi Notation Ka Parichay & Singing Practice with Notation.
2 Nov to 7 Nov	Raag Bhairvi Singing Practice with taal & Taans.
9 Nov to 14 Nov	Raag miya ki malhar ka Parichay.
16 Nov to 21 Nov	Raag miya ki malhar Notation Ka Parichay & Singing Practice.
23 Nov to 28 Nov	Raag miya ki malhar Singing Practice with Taal & Taans.
30 Nov to 5 Dec	Raag Tilak Kamad Ka Parichay.
7 Dec to 12 Dec	Raag Tilak Kamad Ki Notation & Singing Practice.
14 Dec to 19 Dec	Raag Tilak Kamad Singing Practice with Taal & Taans.
21 Dec to 26 Dec	Thap-taal ka Parichay with hand beats Ekgun, Dugun, Tugun, Chagan.

28 Dec to 2 Jan	Soul taal Practice with hand bats Ekgun, Dugun, Tigun & Chagan.
4 Jan to 9 Jan	Test Shaptaal & Soultaal Ka. with Raag Bhairvi.
11 Jan to 16 Jan	Detailed description of Taala.
18 Jan to 23 Jan	Detail knowledge music of Punjab
25 Jan to 30 Jan	Singing Practice Raag Tilak Kamod & test with Raag miya ki Malhar.
1 Feb to 6 Feb	Contribution towards music of - Pt Vinayak Rao Patwardhan. - Ustad Chand Khan.
8 Feb to 13 Feb	Detail discussion about Gharanas. Test Biography of musicians.
15 Feb to 20 Feb	Detail Study - Anand & Ajza Gharana.
22 Feb to 27 Feb	Detail Study Kirana Gharana. and test all Gharanas.
1 Mar to 6 Mar	Method of Tuning of Tanpura & How to Sing with Tanpura.
8 Mar to 13 Mar	Singing Practice Raag Bhairvi, miya ki Malhar & Tilak Kamod with taal & Taans.
15 Mar to 20 Mar	— Revision —

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer: Mrs. Sowam  
 Class with sem: BA - 1st year 1st Sem.  
 Subject/ Paper: Health & Physical Education (P)

Week	Topics
2 Nov to 7 Nov	
9 Nov to 14 Nov	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	



21 Dec to 26 Dec	History of volleyball Definition, objectives, Scope & Importance of Physical Education. Group discussion, Short questions.
28 Dec to 2 Jan	Historical development of Ancient Olympic Group discussion, oral test, test
4 Jan to 9 Jan	Historical development of national games of India. Group discussion. Unit test
11 Jan to 16 Jan	Biological Basis of Physical activity: types of exercise, growth and exercise, exercise and volleyball, body types, Group discussion.
18 Jan to 23 Jan	Body types, Growth of Physical Education in India: LNUPE and SAI NIS
25 Jan to 30 Jan	Growth and exercise revision YMCA and IOA
1 Feb to 6 Feb	Modern Olympic Revival and progress Revision, Group discussion, test
8 Feb to 13 Feb	Performance of Indian Players in modern Olympic, Group discussion, oral test, test Sports Awards in India: Arjuna Award, Dronacharya Award.
15 Feb to 20 Feb	

21 Dec to 26 Dec	History of volleyball Definition, objectives, Scope & Importance of Physical Education. Group discussion, Short questions.
28 Dec to 2 Jan	Historical development of Ancient Olympic Group discussion, oral test, test
4 Jan to 9 Jan	Historical development of national games of India. Group discussion. Unit test
11 Jan to 16 Jan	Biological Basis of Physical activity! types of exercise, growth and exercise, exercise and well-being, body types, Group discussion.
18 Jan to 23 Jan	Body types, Growth of physical education in India! LNUPE and SAI NIS
25 Jan to 30 Jan	Growth and exercise revision YMCA and ICA
1 Feb to 6 Feb	Modern Olympic Revival and progress Revision, Group discussion, test
8 Feb to 13 Feb	Performance of Indian players in modern Olympic, Group discussion, oral test, test
15 Feb to 20 Feb	Sports Awards in India: Arjuna Award, Dronacharya Award.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Ms. SONAM
Class with sem	BA - Ist, Ist Semester
Subject/ Paper	Health & Physical Education (P)
<b>Week</b>	<b>Topics</b>
2 Nov to 7 Nov	Introduction to Health & Physical Education
9 Nov to 14 Nov	Health and Physical Education: Importance and Scope
16 Nov to 21 Nov	Health and Physical Education: Role of Physical Education
23 Nov to 28 Nov	Health and Physical Education: Role of Health Education
30 Nov to 5 Dec	Health and Physical Education: Role of Physical Education in Health Promotion
7 Dec to 12 Dec	Health and Physical Education: Role of Physical Education in Health Promotion
14 Dec to 19 Dec	Health and Physical Education: Role of Physical Education in Health Promotion

	<p>History of volleyball warming up and specific exercises</p>
21 Dec to 28 Dec	<p>Ground measurement, about ball and net Rules and Regulations of volleyball court</p>
28 Dec to 2 Jan	<p>Skills - underhand, upperhand, service, Blocking Smashing, Defence, Let's go</p>
4 Jan to 9 Jan	<p>History of Softball, warming up and specific exercises, ground measurement, Tells about rules and Regulations</p>
11 Jan to 16 Jan	<p>Tells about skill - Catching, hitting, fielding basic pitching, one hand throw, running</p>
18 Jan to 23 Jan	<p>Tells about ground maintenance History of Judo, warming up and specific exercise, rules and Regulation</p>
25 Jan to 30 Jan	<p>Tells about measurement and playing dress Tells about basic skills and practice Tells about Federation cup and officials.</p>
1 Feb to 6 Feb	<p>History of cricket warming up and specific exercise Rules and Regulations, about measurement</p>
8 Feb to 13 Feb	<p>Tells about Required equipments for batsman wicketkeepers and other players.</p>
15 Feb to 20 Feb	<p>Tells about cup and trophies Tells about bat and ball Tells about International players.</p>



22 Feb to 27 Feb	Standard Track (History) types of track, lane and line Tells about rules & regulations
1 March to 6 March	Tells about starting and finishing point types of start & finish Tells about strepper Tells about track marking
8 March to 13 March	Tells about care and maintenance of track Revision
15 March to 20 March	Shot-put warming and specific exercise Rules and Regulations of track & shot-put
22 March to 27 March	Measurement of shot-put & circle Tells about skills - holding, delivery, action, gripping, stance, reverse.
28 March to 31 March	Holi Break Tells about 100 M race Start and finishing
1 April to 3 April	
5 April to 10 April	Revision
12 April to 16 April	Revision.

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31.04.2021

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Miss Sarpan

Class with sem

BA 2nd year - 1st Sem.

Subject/Paper

Health of Physical Education (Theory)

Week

Topics

2 Nov to 7 Nov

9 Nov to 14 Nov

16 Nov to 21 Nov

23 Nov to 28 Nov

30 Nov to 5 Dec

7 Dec to 12 Dec

14 Dec to 19 Dec

21 Dec to 26 Dec	Concept of Health, Meaning of Health, definition of health, Role of Physical Activity towards different dimension of health.
	Meaning and definition of Health Education, Aims and objectives of Health Education,
28 Dec to 2 Jan	Health and physical fitness, <sup>define</sup> World Health Organisation
4 Jan to 9 Jan	Health and physical fitness, UNICEF
11 Jan to 16 Jan	Revision of Unit - I st
18 Jan to 23 Jan	Balance diet, Importance of balance diet, definition and meaning of balance diet
25 Jan to 30 Jan	Factors effecting of diet, elements and functions of the balance diet
1 Feb to 6 Feb	Nutritional tips, vegetarian versus non vegetarian diet.
8 Feb to 13 Feb	Revision of Unit - II nd
15 Feb to 20 Feb	

22 Feb to 27 Feb	pasture definition, concept of pasture, value of good pasture, causes of poor pasture. types of postural deformities their causes and precautions.
1 March to 6 March	
8 March to 13 March	First Aid: General principles of first aid, common first aid measures for: Snake biting, choking Drowning, fainting, Fractures Burns, Revision
15 March to 20 March	
22 March to 27 March	poison and unconsciousness, Heat stroke, exercise and life style disease
28 March to 31 March	Holi Break
1 April to 3 April	Exercise and obesity, exercise and heart diseases
5 April to 10 April	Exercise and diabetes Exercise and stress management
12 April to 16 April	Revision of 16th unit

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UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Miss SONAM

Class with sem

1st Ind year, 1st Semester

Subject/ Paper

Health and Physical Education (P)

Week

Topics

2 Nov to 7 Nov

9 Nov to 14 Nov

16 Nov to 21 Nov

23 Nov to 28 Nov

30 Nov to 5 Dec

7 Dec to 12 Dec

14 Dec to 19 Dec

21 Dec to 28 Dec	History of handball game, Warming up and specific exercise, Tells about Rules & Regulation
28 Dec to 2 Jan	Tells about ground maintenance skills - Holding the ball, Throwing
4 Jan to 9 Jan	Catching, ground maintenance. History of wrestling, Rules & Regulations
11 Jan to 16 Jan	warming up Specific exercise of wrestling Skill of wrestling, Tells about start and duration of wrestling bout.
18 Jan to 23 Jan	History of baseball, measurement, Rules and Regulations. Warming up and specific exercises
25 Jan to 30 Jan	Tell about baseball skills. Catching, hitting, Holding, fielding, running etc ground and equipment maintenance
1 Feb to 8 Feb	History of Badminton, Rules and Regulations measurements, tells about Racket & shuttle
8 Feb to 13 Feb	Tells about Badminton skills, Famous caps and trophies, Tells about international players of badminton.
15 Feb to 20 Feb	Standard track Track events, field events Track marking.

22 Feb to 27 Feb	Track measurement, Lane and line Tells about 4x100m relay race, about Seton.
1 March to 6 March	Track marking, Care and maintenance of Track, types of Track
8 March to 13 March	History of Javelin throw, Rules and Regulation, measurements,
15 March to 20 March	Techniques of Javelin throw: Holding, approach run, Throw about Javelin
22 March to 27 March	Revision of Standard track International players of Athletics
28 March to 31 March	<b>Holi Break</b> History of long jump, about measurement, Rules and Regulation, about fit
1 April to 3 April	warming up and Specific Exercises Techniques of long jump
5 April to 10 April	Revision -
12 April to 16 April	

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

Miss Sarany

Class with sem

BA - 2<sup>nd</sup> year 2<sup>nd</sup> Sem

Subject/ Paper

Health & Physical Education (Theory)

Week

Topics

2 Nov to 7 Nov

9 Nov to 14 Nov

16 Nov to 21 Nov

23 Nov to 28 Nov

30 Nov to 5 Dec

7 Dec to 12 Dec

14 Dec to 19 Dec



	Learning of sports activity Psycho-Physical unity of human being.
21 Dec to 26 Dec	Law of learning, their application to situations on play ground.
28 Dec to 2 Jan	Theories of play, individual differences, Adjustment
4 Jan to 9 Jan	Motivation Revision of 1st unit
11 Jan to 16 Jan	Sports as medium of socialization Sports and Economy
18 Jan to 23 Jan	Spectators and crowd behaviour Positive, Negative and Neutral
25 Jan to 30 Jan	Effects of socio-economic status on sports, Revision
1 Feb to 8 Feb	Tradition and their influence on behaviour patterns.
8 Feb to 13 Feb	Revision of 2nd unit
15 Feb to 20 Feb	

22 Feb to 27 Feb	Need and Importance of conditioning about conditioning, definition of conditioning
1 March to 6 March	methods of conditioning: Circuit Training and Interval Training
8 March to 13 March	methods of conditioning: fartlek Training and weight Training
15 March to 20 March	Revision of Unit - 3rd
22 March to 27 March	Doping: concept and definition of doping, types of doping
28 March to 31 March	Holl Break
1 April to 3 April	Prevention of doping Revision of types of doping
5 April to 10 April	Hazard of smoking, prevention of smoking and quitting techniques of smoking habits.
12 April to 15 April	Hazard of drinking, prevention of drinking, quitting techniques of drinking habits.

Done

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Miss Sonam
Class with sem	3rd Year 2 <sup>nd</sup> Sem.
Subject/ Paper	Health and Physical Education (P)
Week	Topics
2 Nov to 7 Nov	
9 Nov to 14 Nov	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	
14 Dec to 19 Dec	

21 Dec to 26 Dec	History of Hockey, measurement, Tells about rules and regulations, warming and specific exercises
28 Dec to 2 Jan	Tells about goalkeeper dress and equipments, skills - kick, scoop, drive, hitting, dribbling, famous cup and trophies for men & women.
4 Jan to 9 Jan	History of Kabaddi, Tells about measurements, rules and regulations. Kabaddi skills - hand, defence, casting.
11 Jan to 16 Jan	Ground maintenance, specific exercises, Tells about players
18 Jan to 23 Jan	History of Table-tennis, Tells about measurement, rules and regulations, warming up and specific exercises
25 Jan to 30 Jan	Tells about table tennis skills - holding the racket, hitting, service, Tells about cooling down.
1 Feb to 6 Feb	History of water polo, Tells about measurement, rules and regulations, Specific exercise and cooling down.
8 Feb to 13 Feb	Tells about water polo skills. - Care and maintenance of ground,
15 Feb to 20 Feb	Tells about History of Athletics, Tells about standard Track, Tells about track & field events



22 Feb to 27 Feb	Tells about start of 1500 mtr. race Tells about 400 mtr. Hurdle demonstration.
1 March to 6 March	Tells about rules and regulations of Track. Tells about care and maintenance of Track.
8 March to 13 March	Tells about international players of Indian Athletics and about their Journey.
15 March to 20 March	Tells about Staffer. Tells about finishing and starting point. Revision
22 March to 27 March	Revision
28 March to 31 March	Holi Break
1 April to 3 April	History of Triple Jump. Measurement of approach runway, and pit. warming exercise & specification.
5 April to 10 April	Tells about skill - approach run, Start, landing, Jumping, in air action
12 April to 16 April	demonstration Revision of Triple Jump.

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UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Mrs. Neelam Gupta
Class with sem	Ist Year (Ist Sem) (sec-1)
Subject/ Paper	Classical Mechanics (Th + Practical)
Week	Topics
2 Nov to 7 Nov	Basic Concepts of classical Mechanics Mechanics of single and system of particles.
8 Nov to 14 Nov	Revision, Conservation law of linear Momentum, Angular Momentum, B.Sc Ist viva copy
16 Nov to 21 Nov	Mechanical energy for a Particle and System of particles; use of Screw gauge.
23 Nov to 28 Nov	Centre of Mass and Equation of Motion, Constrained Motion, viva copy check.
30 Nov to 5 Dec	Degree of freedom; Generalised Co-ordinates.
7 Dec to 12 Dec	Use of - variational calculus - Transformation Equation.
14 Dec to 19 Dec	Fly wheel, Displacement, velocity

21 Dec to 26 Dec	Acceleration, Momentum, force and Potential, viva copy check.
28 Dec to 2 Jan	Torsion Pendulum, Acceleration, Momentum, force and Potential Practical to next group.
4 Jan to 9 Jan	Revision of half first unit, Tele-scope and viva copy check.
11 Jan to 18 Jan	Linear Harmonic Oscillation, Simple Pendulum, Practical check
18 Jan to 23 Jan	Blairing, voltmeter, Atwood's Machine and its Problems, ammeter.
25 Jan to 30 Jan	Short question of unit-I, Long question answers of unit-I and revision of unit-I.
1 Feb to 8 Feb	Unit test-2 and Revision, PN Junction Diode, .
8 Feb to 13 Feb	Moment of Inertia, Rotation of Rigid body, unit-2 long question Answer.
15 Feb to 20 Feb	Theorem of Perpendicular and Parallel axis

22 Feb to 27 Feb	Moment of Inertia, Zener Diodes, Torque,
1 March to 6 March	Kinetic Energy of rotation, Problem of unit-I and II.
8 March to 13 March	Moment of Inertia of Solid sphere, Hollow sphere, Spherical shell, Velocity of water.
15 March to 20 March	Bending of Beam, Travelling microscope.
22 March to 27 March	Solid cylinder, Hollow cylinder, Solid bar of rectangular cross section.
28 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Ammeter, Voltmeter, Flywheel, Moment of inertia of an irregular body.
5 April to 10 April	Electric vibrator, Acceleration of a body rolling down on an inclined plane.
12 April to 16 April	Travelling Microscope.



UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Ms. Sujata Sharma.
Class with sem :	3rd Year (1st Sem) (Sec 1 & 2)
Subject / Paper :-	Electricity & Magnetism (Theory & Practical)

Week	Topics
2 Nov - 7 Nov.	Gradient of a scalar & its physical significance, Line, Surface & Volume integral of a vector.
9 Nov - 14 Nov	Line, Surface & Volume integral of vector & their physical significance, Intro of Spectrometer.
16 Nov to 21 Nov	Plane of a vector field, Divergence and curl of a vector & their physical significance, Gauss's divergence theorem.
23 Nov to 28 Nov	Practical 10, Telescope, Viva Copy, Stoke's theorem, Unit 2 topic revised.
30 Nov to 5 Dec	Derivation of Electric field $E$ from Potential as gradient, Derivation of Laplace & Poisson equation.
7 Dec to 12 Dec	Discussion of Sodium lamp, Electric Fluor, Gauss's Law, Mercury Lamp.
14 Dec to 19 Dec	Mechanical force of charged surface, Energy per unit volume, Numericals.
21 Dec to 26 Dec	Photometer, Revision & Unit test of 1st Unit.

28 Dec to 2 Jan	Magnetic Induction, Magnetic flux, Solenoidal nature of vector field of Induction, Transformer.
4 Jan to 9 Jan	Properties, Electronic theory of dia & Paramagnetism, C.B. Transformer.
11 Jan to 16 Jan	Domain theory of ferromagnetism, Cycle of magnetization + hysteresis C.E. Transformer.
18 Jan to 23 Jan	Energy Dissipation, Hysteresis loss & importance of Hysteresis curve, Searant Experiment.
25 Jan to 30 Jan	Revision of unit 1, Searant viva.
1 Feb to 6 Feb	Long question Answer of unit 1 & 2.
8 Feb to 13 Feb	Revision of unit - 2, Area of unitoids, Test of unit 1, 2 & 3rd.
15 Feb to 20 Feb	Maxwell Equations & their derivations, Refractive index.
22 Feb to 27 Feb	Displacement current, Vector & Scalar potentials, Ripple factor.
8 March to 13 March	Test of unit - 3. Calcite Prism.

18 March to 20 March	Problem solved, Electronic Voltmeter.
22 March to 26 March	Boundary Conditions at interface b/w two different media, Dispersive Power.
27 March to 31 March	Holi Break
1 April to 3 April	Resolving Power of telescope. Propagation of Electromagnetic wave Poynting Vector.
5 April to 10 April	Poynting theorem. Practical do. Revision of Unit - 5.
12 April to 16 April	Revision of Unit - 3 & test, Practical Do.

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Insh Vachista , M.S. Anshu Gupta,
Class with sem :	B.Sc-7th (5 <sup>th</sup> Sem)
Subject / Paper :-	Quantum Mechanics and Practical

Week	Topics
22 Oct to 24 Oct	Failure of classical Mechanics, Introduction of Quantum Mechanics, Viva copy check
26 Oct to 31 Oct	Photoelectric effect, Compton effect, Practical discussion
2 Nov to 7 Nov	Compton effects De-Broglie hypothesis, Viva copy check
9 Nov to 14 Nov	Davisson and Germer experiment, G.P Thomson experiment, C-E Antinode.
16 Nov to 21 Nov	Concept of phase velocity, C.E Antinode
23 Nov to 28 Nov	Group velocity, Heisenberg uncertainty Principle, numerical Problem on Compton effect, Practical do
30 Nov to 5 Dec	Relation b/w phase velocity and group velocity, Phase velocity, group velocity Practical copy check
7 Dec to 12 Dec	Test of unit <sup>1</sup> , numerical problem on Compton effect, Time energy and angular momentum, Position uncertainty.
14 Dec to 19 Dec	Hartley oscillator, Application of Heisenberg uncertainty Principle, Practical do
21 Dec to 26 Dec	- do - numerical Problem, Practical - do -



28 Dec to 2 Jan	Eigen value and Eigen function, wave Equation and its Significance, Normalization of wave function, Resolving Power of Prism.
4 Jan to 9 Jan	Numerical on operator, Harmonic oscillator - four, unit test - 2, Practical do.
11 Jan to 16 Jan	Numerical on operator, Difference b/w Quantum Mechanics and classical Mechanics. Practical do.
18 Jan to 23 Jan	Orthogonality and Normalization of function, Concept of operator and its Eigen value, Expectation values of dynamical quantities.
25 Jan to 30 Jan	Probability current density, Practical Compute sum of finite series.
1 Feb to 6 Feb	Free particle in one - Dimensional Box (Sol <sup>n</sup> of Schrodinger wave eq <sup>n</sup> , Eigen function, eigen values, quantization)
8 Feb to 13 Feb	quantization of energy and momentum, nodes and antinodes, Zero point energy). Practical do.
15 Feb to 20 Feb	One Dimensional step potential $E > V_0$ (Reflection and transmission coefficient) Practical do.
22 Feb to 27 Feb	one - Dimensional potential Barrier, $E < V_0$ (Penetration or tunneling coefficient).
1 Mar to 6 Mar	Solution of Schrodinger equation for harmonic oscillator
8 Mar to 13 Mar	(Quantization of energy, Zero-point energy, wave equation for ground state and excited state)
15 Mar to 20 Mar	Practical Copy check.

### Lesson Plan from October - 2020 to March - 2021

Lecturer :	M.S. Indu , Ms. Ankita Gupta .
Class with sem :	2nd year (3rd sem) (sec 22)
Subject / Paper :	Computer programming and Thermodynamics (theory and practical)

Week	Topics
22 Oct to 24 Oct	Introduction, computer programming computer organization.
26 Oct to 31 Oct	Binary representation, Intro of Spectrometer, Algorithm development, practical do
2 Nov to 7 Nov	Flow charts and their interpretation, telescopic, vid copy.
9 Nov to 14 Nov	FORTRAN Fortran: Integer and floating point arithmetic expression.
16 Nov to 21 Nov	built in functions, Discussion of sodium lamp, executable and non-executable statements
23 Nov to 28 Nov	Input and output statements, formats, if.
30 Nov to 5 Dec	Mercury lamp, Do and goto statements and problems solved.
7 Dec to 12 Dec	Photometer, problems taken and dimension arrays, Transistors
14 Dec to 19 Dec	Statement function and function subprogram, CE transistor
21 Dec to 26 Dec	2nd test 2 and intro of Thermodynamics, CE transistor

28 Dec to 2 Jan	zeroth law of thermodynamics, Carnot Engine, Carnot theorem, Absolute zero, <b>SEXTANT</b>
4 Jan to 9 Jan	Second law of thermodynamics & its significance, Joule's free expansion, <b>SEXTANT VIVA</b>
11 Jan to 16 Jan	air pollution, Joule-Thomson effect, Joule-Thomson (porous plug) experiment, conclusion and explanation.
18 Jan to 23 Jan	analytical treatment of Joule-Thomson effect, Area of window. Unit test-2, Entropy.
25 Jan to 30 Jan	Calculation of entropy of reversible and irreversible process, T-s diagrams
1 Feb to 6 Feb	Refractive index, entropy of a perfect gas, Neerst heat law (third law of thermodynamics)
8 Feb to 13 Feb	Ripple factor, Liquification of gases ( $O_2$ , air, hydrogen and helium).
15 Feb to 20 Feb	Numericals, caloric pump, Electronic voltmeter, problems
22 Feb to 27 Feb	theory do, dispersive power, Thermodynamics-II Intro.
1 Mar to 6 Mar	Derivation of Clausius-Clapeyron's, resolving power of telescope, unit test-3.
8 Mar to 13 Mar	Clausius latent heat equation, & their significance, specific heat of saturated vapour, phase diagram & triple pt of a substance
15 Mar to 20 Mar	development of Maxwell thermodynamical relations, thermodynamical functions, App of Maxwell relations: 1 <sup>st</sup> & 2 <sup>nd</sup> law, specific heat of gas



UG-Lesson Plan from oct 2020 to March 2021	
Lecturer	Ms. Neelam Gupta
Class with sem	B.Sc - 3rd (5th Sem)
Subject/ Paper	Solid State Physics
Week	Topics
5 Oct - 10 Oct	Concept of Solid state, Crystalline Solid, amorphous Solids
12 Oct - 17 Oct	Liquid crystals, lattice, unit cell
19 Oct - 24 Oct	Crystal translational vectors and axes, unit cell, Primitive cell
26 Oct - 31 Oct	Wigner Seitz Cell's Symmetry operation for 2D crystal
2 Nov - 7 Nov	Bravais lattice in 2D and 3D; test of unit-I
9 Nov - 14 Nov	Interplanar Spacing, numerical problem discussed.
16 Nov - 21 Nov	Test of unit-I, revision.



23 Nov - 28 Nov	Crystal Structure of ZnS
30 Nov - 5 Dec	Crystal structure of NaCl, X-ray Diffraction.
7 Dec - 12 Dec	CsCl Structure, Diamond Structure
14 Dec - 19 Dec	Bragg law and its experimental Proff.
21 Dec - 26 Dec	X-ray Diffraction Method
28 Dec - 2 Jan	k-space.
4 Jan - 9 Jan	Revision of unit-I
11 Jan - 15 Jan	Revision of unit-II
18 Jan - 23 Jan	Test of unit-II

25 Jan - 30 Jan	Reciprocal lattice and its Physical Significance,
1 Feb - 6 Feb	Reciprocal lattice vector, Debye and Peierls law.
8 Feb - 13 Feb	Einstein Model
15 Feb - 20 Feb	Debye's Model
22 Feb - 27 Feb	Numerical Problem Solved
1 Mar - 6 Mar	Numerical Problem Solved
8 Mar - 13 Mar	Numerical Problem Solved of unit-3
15 Mar - 20 Mar	Revision of unit-3

## Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Nisha Sharma.
Class with sem :	2nd year (3rd Sem) (1-)
Subject / Paper :-	Wave and Optics I

Topics	
5 Oct - 10 Oct	Vibration of string in transverse system, Superposition of waves.
12 Oct - 17 Oct	Fourier theorem and Fourier series, evaluation of Fourier coefficient, Importance and limitations of Fourier theorem
19 Oct - 24 Oct	even and odd functions, Fourier series of functions $f(x)$ b/w (i) 0 to $2\pi$ (ii) $-\pi$ to $\pi$
26 Oct - 31 Oct	Fourier series of functions $f(x)$ b/w (i) 0 to $2\pi$ (ii) $-\pi$ to $\pi$ , (iii) 0 to $\pi$ , (iv) $-L$ to $L$ , complex form of Fourier series
2 Nov - 7 Nov	revision, Application of Fourier theorem for analysis of complex waves: sol <sup>n</sup> of triangular wave
9 Nov - 14 Nov	sol <sup>n</sup> of rectangular waves, half & full wave rectifier output,
16 Nov - 21 Nov	Poisson's identity for Fourier series, Fourier integrals.
23 Nov - 28 Nov	revision, unit test 1, Fourier transform & its properties, Applications of Fourier transform
30 Nov - 5 Dec	(i) for evaluation of integrals (ii) for sol <sup>n</sup> of ordinary differential equations, (iii) to the following functions (1) $f(x) = e^{-x}$ (2) $f(x) = 0$ for $x > 0$
7 Dec - 12 Dec	Matrix methods in paraxial optics, effects of translation & refraction,
14 Dec - 19 Dec	derivation of thin lens & thick lens formulae

21 Dec - 26 Dec	unit plane, nodal plane, system of thin lenses
28 Dec - 2 Jan	unit test 2, revision, Chromatic, Spherical, coma, astigmatism
4 Jan - 9 Jan	distortion aberrations & their remedies. Interference by division of wave fronts Young's double slit experiment
11 Jan - 16 Jan	Coherence, conditions of interference, Fresnel's biprism & its application to determine the wavelength of Na light
18 Jan - 23 Jan	thickness of a mica sheet, Lloyd's mirror
25 Jan - 30 Jan	Difference between Biprism & Lloyd mirror fringes, revision
1 Feb - 6 Feb	unit test - 2, Revision of unit - 1
8 Feb - 13 Feb	Phase change on Reflection, revision of unit - 2
15 Feb - 20 Feb	thickness of a mica sheet, Lloyd's mirror
22 Feb - 27 Feb	Difference between Bi-prism & Lloyd mirror fringes, revision.
1 Mar - 6 Mar	revision, unit test 3
8 Mar - 13 Mar	revision & problems discussion.
15 Mar - 20 Mar	Revision of unit - 1, 2, 3



UG-Lesson Plan from oct 2020 to March 2021

Lecturer  
Class with sem  
Subject/ Paper

Ms. Nisha Sharma  
1st year (1st Sem) (Sec 1 & 2)  
Electricity & Magnetism (Theory & practical)

Topics

2 Nov to 7 Nov	Gradient of a scalar & its physical significance, line, surface & volume integral of a vector.
9 Nov to 14 Nov	Line, surface & volume integral of vector & their physical significance, intro of spectrometer.
16 Nov to 21 Nov	Flux of a vector field, Divergence & curl of a vector & their physical significance, Gauss's divergence theorem
23 Nov to 28 Nov	practical do, telescope, viva copy, Stoke's theorem. Unit-1 topic revised.
30 Nov to 5 Dec	Derivation of electric field $E$ from potential as gradient, Derivation of Laplace & Poisson eq <sup>n</sup>
7 Dec to 12 Dec	Discussion of sodium lamp, Electric flux, Gauss's law, Mercury lamp.
14 Dec to 19 Dec	Mechanical force of charged surface, Energy per unit volume, numericals.

21 Dec to 26 Dec	photometer, Revision & unit test of 1st unit
28 Dec to 2 Jan	Magnetic Induction, Magnitude, Solenoidal nature of vector field of Induction
4 Jan to 9 Jan	Transistor, properties, electronic theory of dia & paramagnetism.
11 Jan to 16 Jan	C-B Transistor, Domain theory of ferromagnetism, cycle of magnetization Hysteresis.
18 Jan to 23 Jan	CE Transistor, Energy Dissipation, Hysteresis loss, Importance of Hysteresis curve.
25 Jan to 30 Jan	Sextant Experiment, Revision of unit 1, sextant viva
1 Feb to 6 Feb	Long Question, answer of unit 1 & 2.
8 Feb to 13 Feb	Revision of unit 2, Area of window Test of unit 1 & 2nd
15 Feb to 20 Feb	Maxwell equations & their derivation, Refractive index.

22 Feb to 27 Feb	Displacement current, vector & scalar potentials, ripple factor
1 March to 6 March	Test of unit-2, calculate problem
8 March to 13 March	problem solved, Electronic Voltmeter.
15 March to 20 March	Boundary conditions of interface b/w two different Media, Dispersive power.
22 March to 27 March	Resolving power of telescope, propagation of electromagnetic wave.
28 March to 31 March	Poynting vector, Poynting theorem
1 April to 3 April	practical do, Revision of unit-2
5 April to 10 April	Revision of unit-3 & test, practical do.
12 April to 16 April	Test of unit-3

UG - Lesson Plan from November - 2020 to April - 2021

Lecturer :	Miss-Rishika Kanchhikar, Mrs. Manita Wadhwa (Emply Assigned)
Class with sem :	B.A.I. Sem I
Subject / Paper :-	Political Science

Week	Topics
2 Nov - 7 Nov.	Introduction to meaning and definition of constitution. General concept of constitution Developing concept of constitution In Indian constitution is by of borrowing Revised objective question
9 Nov - 14 Nov	main features of constitution Repeat the features of constitution meaning and features of Preamble Criticism of the Preamble
16 Nov to 21 Nov	Define Fundamental Rights Repeat Fundamental Rights Revised Long question
23 Nov to 28 Nov	Define Fundamental Duties criticism of fundamental rights & duties Define Directive Principles of State Policy Differentiation of Fundamental rights & directive principles
30 Nov to 5 Dec	Election Process of the President Critical evaluation of President Election. Powers and functions of President Emergency powers of President
7 Dec to 12 Dec	Can the President become Dictator Revised objective question Position of President Discuss the powers related to President
14 Dec to 19 Dec	Describe method of election and process of non-executive Main features of Indian Cabinet system Composition of Union Council of Ministers Function of Union Council
21 Dec to 26 Dec	Continuation of Prime-minister Function of Prime Minister Changing Role of Prime Minister Revised Prime Minister



28 Dec to 2 Jan	Discuss the Problem of student class test on President Power of Governor Power and functions of the chief ministers
4 Jan to 9 Jan	Objective questions Revised Long test on President will be taken. Composition of Parliament Power and functions of Rajya Sabha
11 Jan to 16 Jan	Power and function of Rajya Sabha Criticism of Council of States Argument in favour of Rajya Sabha
18 Jan to 23 Jan	Functions of Speaker Process of law making in Parliament Procedure of Amendment Answer objective question about Parliament
25 Jan to 30 Jan	Long test will be taken Composition of Legislative Assembly Power and functions of Legislative Assembly Meaning of 'Panchayati Raj'
1 Feb to 6 Feb	Main features of 73rd Constitution Amendment Three level of Panchayati Raj Report for three level of Panchayati Raj
8 Feb to 13 Feb	Resolved for removal defects of Panchayati Raj Revised Panchayati Raj Revised objective question. Long test on Panchayati Raj
15 Feb to 20 Feb	Problem discuss with students. Objective part of Unit I & Unit II Composition of Supreme Court Role and jurisdiction of the Supreme Court
22 Feb to 27 Feb	Position of the Supreme Court Is the Supreme Court is third arm of Parliament High Court - composition and power. Long test in Panchayati Raj
8 March to 13 March	Meaning of Judicial Review Basis of Judicial Review Utility and criticism of Judicial Review An Argument in favour of Judicial Review

18 March to 20 March	Argument in against of Judicial Activism Position of Supreme Court Appointment of the Judges Revised objective question.
22 March to 26 March	Revised objective question of all units. Long test on Supreme Court will be taken. Discuss students Problems.
27 March to 31 March	Holi Break
1 April to 3 April	objective test will be taken Revise Parliament again Revise President topic Revise Supreme Court
5 April to 10 April	viva test Long question test objective test
12 April to 16 April	viva test viva test Revision work Revision work

Bushir Kaur

## Lesson Plan from October - 2020 to March - 2021

Lecturer :	Mrs. Sushila Kulkarni, Mrs. Manisha Wadhvani Mrs. Deepa Aggarwal
Class with sem :	3rd Sem B.A. II
Subject / Paper :-	Political Science Principles of Political Theory

Week	Topics
22 Oct to 24 Oct	Discuss the syllabus. Meaning, Definitions, Subject matter and scope of Political Science
26 Oct to 31 Oct	Importance and utility of Political Science, Is Political Science a science or an art, Relation of Political Science with History.
2 Nov to 7 Nov	Relation of Political Science with Economics, Sociology, Psychology and Ethics. Objective type questions
9 Nov to 14 Nov	Revise objective type questions of 1st Unit, Test of 1st Unit and doubt classes.
16 Nov to 21 Nov	State - Its meaning and definition of state Essential elements of state, some more essential elements of state, doubt classes
23 Nov to 28 Nov	State and other Associations Difference between state and government Difference between state and Association
30 Nov to 5 Dec	Difference between state and society Objective questions
7 Dec to 12 Dec	Divine origin Theory force Theory Doubt classes
14 Dec to 19 Dec	Hierarchical Theory Machiavellian Theory Social Contract Theory
21 Dec to 26 Dec	Social Contract Theory by Thomas Hobbes Social Contract Theory by John Locke Social Contract Theory by Rousseau



28 Dec to 2 Jan	Rousseau's theory of General will Historical or Evolutionary Theory Objective questions
4 Jan to 9 Jan	Marxian Theory of the origin of State. Doubt session,
11 Jan to 16 Jan	Objective questions of Unit - 2 Test
18 Jan to 23 Jan	Nature of state - Liberal perspective of state. Marxian view of the Nature of state
25 Jan to 30 Jan	Function of the state - Liberal view Objective questions
1 Feb to 6 Feb	Function of the state - Socialist view criticism of Marxist Theory or Socialist theory
8 Feb to 13 Feb	Welfare state - Definition, Aims and Functions of welfare state, compulsory and developmental functions of the state
15 Feb to 20 Feb	Objective questions of Unit III Doubt session Test
22 Feb to 27 Feb	Meaning, Definition, Attributes, features and types of Sovereignty. Theory of Popular Sovereignty.
1 Mar to 6 Mar	Austin's theory of Sovereignty, Pluralist Aspect of Sovereignty, Objective questions
8 Mar to 13 Mar	Revision of Unit I and II Test
15 Mar to 20 Mar	Revision of III and IV Test

Sushil Kumar



### Lesson Plan from October - 2020 to March - 2021

Lecturer :	Mrs Sushila Kaulik, Mr. Manoj Wadhwa of HOD, Dimple, Jyoti.
Class with sem :	B.A. POL; V SEM.
Subject / Paper :-	Political Science, Comparative Politics.

Week	Topics
22 Oct to 24 Oct	
26 Oct to 31 Oct	Introduce the Syllabus. Comparative Politics - Meaning, Definition, feature and Importance.
2 Nov to 7 Nov	Evaluation of Comparative Politics. Distinction between Comparative Politics and Comparative Govt. Scope and Problem of Comparative Politics.
9 Nov to 14 Nov	Comparative Method - Meaning, Definition - Traditional Method of Comparative Politics will be discussed and features of traditional method explained.
16 Nov to 21 Nov	Behaviouralism - Meaning, Definition, development, characteristics and criticism of behaviouralism will be explained. Objective questions of unit 1 will be solved.
23 Nov to 28 Nov	Political Development - Meaning, Definition, important elements, characteristics and Development stages will be explained. Objective questions of unit 2 will be solved.
30 Nov to 5 Dec	Political Culture - Meaning, Definition, Necessity, Characteristics, Components and different kind of Political culture will be explained.
7 Dec to 12 Dec	Write objective questions of unit 1 and unit 2. Long test on 'Comparative Politics' will be taken.
14 Dec to 19 Dec	Meaning and types of Constitution will be explained. Constitutionalism - meaning, Definition, Analysis, Features & Remedies of Constitutionalism will be explained.
21 Dec to 26 Dec	Objective questions of unit 3 will be explained. Discuss the students' problems and solve unit 2 and 3 again. Difference between Constitution and Constitutionalism will be explained.

28 Dec to 2 Jan	Legislative - Meaning, Definition, Distinct functions. Argument in favour and in against of Bicameralism.
4 Jan to 9 Jan	Direct Legislation. Meaning, Features, merits & Demerits will be explained. Discuss the students' Problems.
11 Jan to 16 Jan	Judiciary - meaning, Definition, function will be explained. Independence of Judiciary and discuss the way to ensure Independence of Judiciary.
18 Jan to 23 Jan	Theory of Separation of Power. Impotence and Criticism will be discussed. Revised unit 3 and discuss students' Problems.
25 Jan to 30 Jan	Political Parties - Meaning, Definition and essential element will be explained. Various types of political parties will be explained.
1 Feb to 6 Feb	Merit and Demerits of multi party system and single party system will be explained. Merit and Demerits of both party system will be explained.
8 Feb to 13 Feb	Pressure groups - Meaning, Definition, Features and functions will be discussed and difference between Party system and Pressure groups will be explained.
15 Feb to 20 Feb	Merits and Demerits of Pressure groups will be discuss. Revised objective question of unit 3 and unit 4.
22 Feb to 27 Feb	Input-output structural function and approach to the study of Comparative politics will be explained.
1 Mar to 6 Mar	Test of unit 2 and unit 3 will be taken. Discuss students' Problems.
8 Mar to 13 Mar	Objective questions and short questions of unit 4 to 6 will be discussed and objective test will be taken.
15 Mar to 20 Mar	Revision work will be done.

Rakesh Kumar



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UG-Lesson Plan from Oct 2020 to March 2021

Lecturer

Shailja Giridhar

Class with sem

B.A III (5th Sem)

Subject/Paper

Psychology / Psychopathology

Week

Topics

5 Oct - 10 Oct	<ul style="list-style-type: none"><li>• Meaning &amp; Definition of Psychopathology</li><li>• Difference between Psychopathology &amp; Abnormal Psychology</li><li>• Concept of Normality</li><li>• Characteristics of Normality (Normal Personality)</li></ul>
12 Oct - 17 Oct	<ul style="list-style-type: none"><li>• Concept of Abnormality &amp; Characteristics of Abnormal personality</li><li>• Models of Psychopathology:</li></ul>
19 Oct - 24 Oct	<ul style="list-style-type: none"><li>• Biological Model</li><li>• Psychodynamic Model</li><li>• Behavioural Model &amp;</li><li>• Cognitive Model</li></ul>
26 Oct - 31 Oct	<ul style="list-style-type: none"><li>• Group discussion &amp; Doubt class</li><li>• Class Test of Unit-I</li></ul>
2 Nov - 7 Nov	<ul style="list-style-type: none"><li>• Need for Classification</li><li>• DSM System</li><li>• Diagnostic Assessment</li></ul>
9 Nov - 14 Nov	<ul style="list-style-type: none"><li>• Case History Method (Nature)</li><li>• Outline for Case History</li><li>• Recommendation and Predictions</li></ul>
16 Nov - 21 Nov	<ul style="list-style-type: none"><li>• Interview Method (Cerebral Introduction)</li></ul>

23 Nov - 28 Nov	<ul style="list-style-type: none"> <li>• Interview in Clinical Practice</li> <li>• Types of Clinical Interviews</li> <li>• Phases in Initial Interview</li> </ul>
30 Nov - 5 Dec	<ul style="list-style-type: none"> <li>• Steps of Interview</li> <li>• Evaluation of Interview Method.</li> <li>• Projective Techniques (Nature)</li> </ul>
7 Dec - 12 Dec	<ul style="list-style-type: none"> <li>• Characteristics &amp; types of Projective Tech.</li> <li>• Group discussion &amp; doubt class</li> <li>• Class Test of Unit - II</li> </ul>
14 Dec - 19 Dec	<ul style="list-style-type: none"> <li>• Anxiety Disorders (Nature)</li> <li>• Generalized Anxiety Disorder (GAD) symptoms and causes, Treatment</li> <li>• Obsessive Compulsive Disorder (OCD) symptoms, causes and Treatment of OCD</li> </ul>
21 Dec - 26 Dec	<ul style="list-style-type: none"> <li>• Phobic Disorders</li> <li>• Symptoms, causes and treatment</li> </ul>
28 Dec - 2 Jan	<ul style="list-style-type: none"> <li>• Drug Abuse (Nature, dependence, withdrawal symptoms, general causes)</li> <li>• Stimulants &amp; Depressants</li> <li>• Consequences (Effects)</li> <li>• Treatment therapies &amp; Rehabilitation</li> </ul>
4 Jan - 9 Jan	<ul style="list-style-type: none"> <li>• Doubt Class</li> <li>• Class Test of Unit - III</li> </ul>
11 Jan - 16 Jan	<ul style="list-style-type: none"> <li>• Practical - Introduction Simha's Comprehensive Anxiety Test (SCAT)</li> <li>• Mood Disorders (Nature)</li> </ul>
18 Jan - 23 Jan	<ul style="list-style-type: none"> <li>• Practical - Administration, Discussion of the result of SCAT.</li> </ul>



25 Jan - 30 Jan	<ul style="list-style-type: none"> <li>• Types of Mood Disorder</li> <li>• Unipolar Disorder symptoms, etiology &amp; treatment.</li> </ul> Practical: Introduction of Depression scale
1 Feb - 6 Feb	<ul style="list-style-type: none"> <li>• Bipolar Disorder symptoms, etiology &amp; treatment.</li> </ul> Practical: Administration & discussion of Depression Scale <ul style="list-style-type: none"> <li>• Home Assignment.</li> <li>• Schizophrenia (Nature)</li> </ul>
8 Feb - 13 Feb	Practical - Introduction, administration of PGIMS. <ul style="list-style-type: none"> <li>• Types of Schizophrenia</li> </ul>
15 Feb - 20 Feb	Practical - Result & Discussion of PGIMS. <ul style="list-style-type: none"> <li>• Etiology of Schizophrenia.</li> </ul>
22 Feb - 27 Feb	Practical - Introduction & administration of DMI <ul style="list-style-type: none"> <li>• Clinical Symptoms of Schizophrenia &amp; treatment therapies.</li> </ul>
1 Mar - 6 Mar	Practical - Inventory Discussion of Defense Mechanism <ul style="list-style-type: none"> <li>• Doubt Class &amp; Group discussion.</li> </ul>
8 Mar - 13 Mar	Practical - Introduction of Word association Test. <ul style="list-style-type: none"> <li>• Revision of full syllabus.</li> </ul>
15 Mar - 20 Mar	Practical - Administration & discussion of word association test.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer

TANANNA LUPIA

Class with sem

B-A - I (1 semester)

Subject/ Paper

Introduction to Psychology / Psychology

Week

Topics

2 Nov to 7 Nov

Introduction of Psychology  
History of Psychology

9 Nov to 14 Nov

History of Psy.  
Emergence as Science

16 Nov to 21 Nov

Subject Matter of Psychology  
Experimental Method of Psy.

23 Nov to 28 Nov

Observation Method of Psy.  
Survey Method of Psy.  
Doubt class

30 Nov to 5 Dec

Test of Unit - I  
Meaning of Sensory Processes  
Structure and function of Eye

7 Dec to 12 Dec

Structure and function of Ear  
Nature of Perception  
Perception of forms - figure and ground  
Perceptual organisation

14 Dec to 19 Dec

Depth perception - cues  
Doubt class

21 Dec to 26 Dec	<ul style="list-style-type: none"> <li>• Test of Unit - 2</li> <li>• Nature of Emotion</li> <li>• Bodily changes in Emotion</li> </ul>
28 Dec to 2 Jan	<ul style="list-style-type: none"> <li>• Theories of Emotion - James-Lange, Cannon-Bard and Schachter-Singer</li> <li>• Doubt class</li> </ul>
4 Jan to 9 Jan	<ul style="list-style-type: none"> <li>• Nature of Motivation</li> <li>• Biological Motives</li> <li>• Doubt class</li> <li>• Psychological Motives</li> <li>• Revision of Unit - 1</li> </ul>
11 Jan to 16 Jan	<ul style="list-style-type: none"> <li>• Revision of Unit - 2</li> <li>• Revision of Unit - 3</li> </ul>
18 Jan to 23 Jan	<ul style="list-style-type: none"> <li>• Practical - Observation Test</li> <li>• Practical-observation Test</li> <li>• Test of Unit - 3</li> </ul>
25 Jan to 30 Jan	<ul style="list-style-type: none"> <li>• Interactive class with students</li> <li>• A class for Personality Development of students</li> </ul>
1 Feb to 6 Feb	<ul style="list-style-type: none"> <li>• A class on 'Real life situation' discussion</li> <li>• Meaning and Nature of Personality</li> </ul>
8 Feb to 13 Feb	<ul style="list-style-type: none"> <li>• Practical 2 - Measurement of Personality</li> <li>• Determinants of Personality</li> <li>• Type and Trait Approach</li> </ul>
15 Feb to 20 Feb	<ul style="list-style-type: none"> <li>• Revision of Chapter - 7</li> </ul>

	<ul style="list-style-type: none"> <li>Practical 2 - study of Emotion</li> <li>Nature and Meaning of Intelligence</li> </ul>
22 Feb to 27 Feb	
1 March to 6 March	<ul style="list-style-type: none"> <li>Theories of Intelligence - Spearman and Thurston theory</li> <li>Revision of above two theories</li> <li>Cattell theory of Intelligence</li> <li>Revision of Chapter - 8</li> </ul>
8 March to 13 March	
15 March to 20 March	<ul style="list-style-type: none"> <li>Test of Unit - 4</li> <li>Doubt classes</li> <li>Discussion classes</li> </ul>
22 March to 27 March	<ul style="list-style-type: none"> <li>Practical 4 - Sound localization</li> <li>Interactive class with students</li> <li>Revision of whole syllabus</li> </ul>
28 March to 31 March	<p><b>Holi Break</b></p>
1 April to 3 April	<ul style="list-style-type: none"> <li>Practical 5 - Verbal Test of Intelligence</li> <li>Whole syllabus test</li> </ul>
5 April to 10 April	<ul style="list-style-type: none"> <li>Practical Exam (Final) Conducted</li> </ul>
12 April to 16 April	<ul style="list-style-type: none"> <li>Revision and doubt classes Conducted</li> </ul>



Lecturer  
Class with sem  
Subject/Paper

UG-Lesson Plan from Oct 2020 to March 2021  
Shailja Giridhar, Maghe  
B.A. II (3rd Sem)  
Social Psychology

Week

Topics

Week	Topics
5 Oct - 10 Oct	Introduction of Social Psychology • Meaning & Definition, History • Nature & Subject Matter
12 Oct - 17 Oct	• Class Doubts. • Revision of Unit - I (Ch. 1)
19 Oct - 24 Oct	• Sociometric meaning. • Characteristics of sociometric Method
26 Oct - 31 Oct	• Techniques of sociometric Analysis • Sociogram
2 Nov - 7 Nov	• Sociometric Matrix • Sociometric Index • Merits & Demerits of Sociometry Method
9 Nov - 14 Nov	• Nature of Socialization. • Process of Socialization.
16 Nov - 21 Nov	• Agencies of Socialization.

	<ul style="list-style-type: none"> <li>• Doubts Class.</li> <li>• Class Test of Unit I</li> </ul>
23 Nov - 28 Nov	
30 Nov - 5 Dec	<ul style="list-style-type: none"> <li>• Nature of Group.</li> <li>• Types of Group.</li> <li>• Functions of Group.</li> <li>• Meaning of Social Norms</li> </ul>
7 Dec - 12 Dec	<ul style="list-style-type: none"> <li>• Characteristics of Social Norms.</li> <li>• Formation &amp; Functions of Group Norms.</li> <li>• Nature of Leadership</li> </ul>
14 Dec - 19 Dec	<ul style="list-style-type: none"> <li>• Types of Leadership</li> </ul>
21 Dec - 26 Dec	<ul style="list-style-type: none"> <li>• Functions of Leadership</li> <li>• Theories of Leadership</li> <li>• Trait, Situational &amp; Interactional Theories</li> </ul>
28 Dec - 2 Jan	<ul style="list-style-type: none"> <li>• Doubts Class</li> <li>• Class Test of Unit II</li> <li>• Meaning &amp; Definition of Attitudes</li> <li>• Characteristics of Attitude</li> <li>• Development of Attitude</li> </ul>
4 Jan - 9 Jan	<ul style="list-style-type: none"> <li>• How Attitude change.</li> <li>• Meaning &amp; Definitions of Prejudice</li> <li>• Nature &amp; Development of Prejudice</li> </ul>
11 Jan - 16 Jan	<ul style="list-style-type: none"> <li>• Nature of Stereotypes.</li> <li>• Doubts Class &amp; Group Discussion.</li> <li>• Class Test of Unit - III</li> </ul>
18 Jan - 23 Jan	<ul style="list-style-type: none"> <li>• Practical Introduction &amp; administration of sociometry method.</li> </ul>

25 Jan - 30 Jan	<ul style="list-style-type: none"> <li>• Nature of Prosocial Behaviour.</li> <li>• Determinants of Prosocial Behaviour.</li> <li>• Practical - Discussion of the results of sociometry method.</li> <li>• Cognitive Model.</li> </ul>
1 Feb - 6 Feb	<ul style="list-style-type: none"> <li>• Practical - Introduction &amp; administration</li> <li>Discussion of the results of Aggression.</li> <li>• Nature of Aggression</li> </ul>
8 Feb - 13 Feb	<ul style="list-style-type: none"> <li>• Practical - Introduction, administration of Altruism behaviour.</li> <li>• Determinants of Aggression.</li> </ul>
15 Feb - 20 Feb	<ul style="list-style-type: none"> <li>• Practical - Discussion of the results of Altruism behaviour.</li> <li>• Prevention of Aggression.</li> </ul>
22 Feb - 27 Feb	<ul style="list-style-type: none"> <li>• Practical - Introduction &amp; Administration and scoring of Stereotype measurement.</li> <li>• Home Assignment</li> <li>• Doubt Class &amp; Group Discussion</li> </ul>
1 Mar - 6 Mar	<ul style="list-style-type: none"> <li>• Practical - Introduction of leadership style preference scale.</li> <li>• Class Test of Unit - IV</li> </ul>
8 Mar - 13 Mar	<ul style="list-style-type: none"> <li>• Practical - Administration and scoring of leadership style preference scale.</li> <li>• Revision of all Syllabus.</li> </ul>
15 Mar - 20 Mar	<ul style="list-style-type: none"> <li>• Practical - discussion of the results of leadership style preference scale.</li> </ul>

**UG-Lesson Plan from Nov 2020 to April 2021**

Lecturer	Dr. Aparna Dasgupta, Dr. Manojit Das, Mrs. Rinku Bhargava, Ms. Jyoti, Ms. Malika
Class with sem	B.A. I (1st sem.)
Subject/ Paper	English
<b>Week</b>	<b>Topics</b>
2 Nov to 7 Nov	Introduction to syllabus and examination pattern. Chapter 1- Introduction to Phonetic Symbols.
9 Nov to 14 Nov	Explaining vowels, diphthongs and consonants, Practising transcription of words.
16 Nov to 21 Nov	Textual study of chapter 2, textual exercise, transcription and vocabulary practice of chapters
23 Nov to 28 Nov	Grammar - Noun, Subject-Verb Agreement, Simple Present Tense.
30 Nov to 5 Dec	Textual study of chapter 3, textual exercise, transcription and vocabulary practice of ch. 3.
7 Dec to 12 Dec	Doubt Removal Class, Class test of chapter-2,3. Grammar - Pronouns and Present Continuous Tense.
14 Dec to 19 Dec	Introduction to Paragraph Writing and its practice.



21 Dec to 26 Dec	Textual study of chapter 4, textual exercise, transcription and vocabulary practice of ch. 4.
28 Dec to 2 Jan	Grammar - Adjective, Present Perfect Tense, Present Perfect Continuous Tense.
4 Jan to 9 Jan	Textual study of chapter 5, textual exercise, transcription and vocabulary practice of ch. 5.
11 Jan to 16 Jan	Doubt Removal Class, class test of ch. 4, 5 Grammar - Adverbs.
18 Jan to 23 Jan	Textual study of chapter 6, textual exercise, transcription and vocabulary exercise of ch. 6.
25 Jan to 30 Jan	Verbs and its types.
1 Feb to 6 Feb	Textual study of ch. 7, textual exercise, transcription and vocabulary practice of ch. 7.
8 Feb to 13 Feb	Simple Past, Past Perfect and Past Continuous Tense.
15 Feb to 20 Feb	Doubt Removal Class, Class test of ch. 6, 7. Separate test of Grammar.

22 Feb to 27 Feb	Textual study of ch. 8, textual exercise, transcription and vocabulary practice of ch. 8.
1 March to 6 March	Grammar - Prepositions, Simple future Tense Paragraph Writing and its Practice.
8 March to 13 March	Textual study of ch. 9, textual exercise, transcription and vocabulary practice of ch. 9.
15 March to 20 March	Doubt Removal Class, Class test of ch. 8, 9. Grammar - Future Continuous Tense.
22 March to 27 March	Textual study of chapter - 10, Discussion of old question paper, Home Assignment.
28 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Class Test of Grammar. textual exercise of chapter - 10, transcription & vocab practice of ch. 10.
5 April to 10 April	Grammar - Future Perfect Tense, Future Perfect Continuous Tense
12 April to 16 April	Paragraph Writing Practice, Revision classes.

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer	Dr. Aparna Bhatia, Dr. Manojit Dasg, Mrs. Rinku Aggarwal, Dr. Anju
Class with sem	B.A 2nd (Semester-3)
Subject/ Paper	English
Week	Topics
5 Oct -10 Oct	Introduction to syllabus, Introduction of the genre of Poetry, introduction to sonnet
12 Oct - 17 Oct	Introduction to William Shakespeare, textual study of Poem - Sonnet (XVIII), Discussion of questions
19 Oct - 24 Oct	Literary terms explanation :- Alliteration, Allusion (Definitions with Examples), Rhyme, Rhythm
26 Oct -31 Oct	Non-finites with practice, Preposition with practice exercise.
2 Nov - 7 Nov	Introduction to 'Alexander Pope', textual study of poem: 'Know Then Thyself' with discussion of literary devices used in the poem
9 Nov - 14 Nov	Doubt removal classes, Home assignments, class test
16 Nov - 21 Nov	Introduction to Elegy and Irony, Introduction to 'Thomas Gray', textual study of the poem 'Elegy Written in a Country Churchyard'

23 Nov - 28 Nov	Introduction 'The World In Tow Much With Us' poet 'William Wordsworth' textual study of the poem Literary terms of poem: Personification, Imagery, Simile, Metaphor etc. Verb Phrases with Practice, Clauses with practice
30 Nov - 5 Dec	Doubt removal class, Home assignment, class test
7 Dec - 12 Dec	Introduction of 'John Keats', textual study of 'Ode on a Grecian Urn', Explanation of Ode and Hyperbole
14 Dec - 19 Dec	Introduction of 'Robert Browning', textual study of 'My last Duchess'. Discussion of terms: Dramatic Monologue.
21 Dec - 26 Dec	Introduction of Conditionals with its practice, Vocabulary Practice
28 Dec - 2 Jan	Introduction to 'W.B. Yeats', textual study of 'When You are Old', discussion of question answers
4 Jan - 9 Jan	Doubt removal class, Home assignment, class test
11 Jan - 16 Jan	Introduction and explanation of Verb Patterns with its Practice, Vocabulary Practice
18 Jan - 23 Jan	



25 Jan - 30 Jan	Essay Writing with its Practice, Vocabulary Practice
1 Feb - 6 Feb	Introduction to Rabindranath Tagore, Textual study of 'Where The Mind is without Fear'
8 Feb - 13 Feb	Introduction to Sarojini Naidu, textual study of 'The Bangle Sellers'
15 Feb - 20 Feb	Doubt removal classes, Home assignment, class tests
22 Feb - 27 Feb	Introduction to 'Gmtiaz Dharkar', textual study of the poem 'Another Woman'
1 Mar - 6 Mar	Transcription and its Practice
8 Mar - 13 Mar	Class tests, Doubt removal classes, Revision
15 Mar - 20 Mar	Revision, Doubt removal classes.

	UG-Lesson Plan from oct 2020 to March 2021
Lecturer	Dr. Aparna Bhatia, Dr. Manjeet Kaur, Mr. Rakesh Aggarwal
Class with sem	B.A. III (Sem V)
Subject/ Paper	English
Week	Topics
5 Oct - 10 Oct	Introduction of Syllabus and Examination pattern. Introduction to 'Raja Rao'.
12 Oct - 17 Oct	Textual reading of 'Kanthapura' chapter 1 Word accent and its Communicative Function
19 Oct - 24 Oct	Detailed study of Chapter 2. Weak forms in English Pronunciation
26 Oct - 31 Oct	Detailed study of chapter 3. Intonation
2 Nov - 7 Nov	Doubt removal class, Revision, Test Practice of Intonation
9 Nov - 14 Nov	Detailed study of Chapter 4. Transitional words
16 Nov - 21 Nov	Detailed study of Chapter 5. Sentence and Its Types

23 Nov - 28 Nov	Detailed Study of Chapter 6 Conversion of Sentences
30 Nov - 5 Dec	Detailed Study of Chapter 7 Practice of Conversion of Sentences.
7 Dec - 12 Dec	Doubt Removal Class, Revision, Test Home Assignment.
14 Dec - 19 Dec	Detailed Study of Chapter 8 Conditional Clauses.
21 Dec - 28 Dec	Detailed Study of Chapter 9 Practice of Conditional Clauses.
28 Dec - 2 Jan	Detailed Study of Chapter 10. Defining and Non-defining Clauses.
4 Jan - 9 Jan	Detailed Study of Chapter 11. Practice Exercises of Clauses.
11 Jan - 16 Jan	Detailed Study of Chapter 12. Story Writing & Explanation.
18 Jan - 23 Jan	Detailed Study of Chapter 13 Story Writing Practice.

25 Jan - 30 Jan	Detailed Study of Chapter 14. Doubt removal class, Revision, Test.
1 Feb - 6 Feb	Detailed Study of Chapter 15. Precis writing.
8 Feb - 13 Feb	Detailed Study of Chapter 16. Precis writing Practice.
15 Feb - 20 Feb	Detailed Study of Chapter 17. Paragraph writing.
22 Feb - 27 Feb	Doubt removal class, Home Assignment Test.
1 Mar - 6 Mar	Detailed Study of Chapter 18 and 19 Paragraph writing Practice.
8 Mar - 13 Mar	Discussion on Long Questions based on the novel.
15 Mar - 20 Mar	Doubt Removal class, Revision, Test.



UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Ms. Anju
Class with sem	B.Com - I (Semester - I)
Subject/ Paper	English

Week	Topics
2 Nov to 7 Nov	Introduction to syllabus and examination pattern, Introduction to different genders
9 Nov to 14 Nov	Introduction to Rabindranath Tagore, Textual study of "The Homecoming"
16 Nov to 21 Nov	Introduction to M.K Gandhi, textual study of 'Playing the English Gentleman', discussion of questions
23 Nov to 28 Nov	Noun and Pronoun with Practice, Doubt removal class
30 Nov to 5 Dec	Home assignments, Class test, Adjective with Practice exercise
7 Dec to 12 Dec	Articles with Practice exercise, Introduction to Dr. B. R. Ambedkar, textual study of 'Prospects of Democracy in India'
14 Dec to 19 Dec	Introduction to Oliver Goldsmith, textual study of Poem - 'The Village Schoolmaster'

21 Dec to 26 Dec	Doubt Removal classes, Home assignment class tests
28 Dec to 2 Jan	Verbs and its Practice, Preposition and Conjunction, interjection with Practice
4 Jan to 9 Jan	Introduction to 'Rudyard Kipling' textual reading of Poem 'Jif' with question answers
11 Jan to 16 Jan	Tenses with practice exercises
18 Jan to 23 Jan	Introduction to 'Karnala Dax', textual study of 'My Grandmother's House'
25 Jan to 30 Jan	Identifying Parts of speech, Structures: Verb patterns, Question tags, Subject Verb agreement with Practices exercise
1 Feb to 6 Feb	Doubt Removal classes, Home assignment, Class tests
8 Feb to 13 Feb	Introduction to Listening, Barriers of Listening, Academic Listening, Listening
15 Feb to 20 Feb	Modals with Practice exercise, Passive voice with practice

22 Feb to 27 Feb	Doubt removal classes, Home assignment class test, Introduction to casual conversation
1 March to 6 March	Understanding communication, Greeting and Introducing, Making Requests, Asking for and giving Permission Relative Clauses with practice, Reported speech with practice
8 March to 13 March	Art of small talk, Participating in conversations, offering help, Speech acts, Giving instructions
15 March to 20 March	Doubt Removal class, Home assignment, class tests
22 March to 27 March	
28 March to 31 March	<b>Holi Break</b> Speech and Orator - Making a short formal speech, Punctuation with practice exercise
1 April to 3 April	Describing people, Places, Events and things, Practice
5 April to 10 April	Doubt Removal classes, Tests on Alternate days
12 April to 16 April	

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Dr. Aparna Bhatia, Dr. Manjeet Kaur
Class with sem	B.Sc I (Semester-1)
Subject/ Paper	English
<b>Week</b>	<b>Topics</b>
2 Nov to 7 Nov	Introduction to Syllabus and examination pattern, explaining the way to read a poem and attempt questions related to poetry
9 Nov to 14 Nov	Introduction to William Shakespeare, textual study of Poem 1
16 Nov to 21 Nov	Discuss short and long questions based on poem 1, Oral test
23 Nov to 28 Nov	Introduction to John Donne, textual study of Poem 2
30 Nov to 5 Dec	Discuss short question and long question based on Poem 2, Doubt removal class, Home assignment and class test of poem 1/2
7 Dec to 12 Dec	Introduction to Translation from Hindi to English and its practice, Introduction
14 Dec to 19 Dec	Introduction to John Milton, Textual study of Poem 3



21 Dec to 26 Dec	Discuss short and long question based on Poem 3, Doubt removal class
28 Dec to 2 Jan	Introduction to Paragraph Writing and its Practice, and its home assignment
4 Jan to 9 Jan	Introduction to Henry Vaughan, Textual study of Poem 4, discuss short & long question based on poem
11 Jan to 16 Jan	Doubt removal class, home assignment and class test of Poem 3, 4, translation practice
18 Jan to 23 Jan	Common Phrasal Verbs and its Practice, Tenses.
25 Jan to 30 Jan	Introduction to John Dryden, Textual study of Poem 5, discussion of short and long question of Poem
1 Feb to 6 Feb	Introduction to Common errors in English and practice to identify and correct them
8 Feb to 13 Feb	Prepositions and its practice
15 Feb to 20 Feb	Doubt removal class, home assignment and class test of poem and grammar

22 Feb to 27 Feb	Introduction to Alexander Pope, textual study of Poem 6, discussion of Poem's short and long questions
1 March to 6 March	Paragraph Writing Practice, Introduction to William Blake
8 March to 13 March	Textual study of Poem 7, discussion of short and long questions based on poem
15 March to 20 March	Translation Practice, Introduction to William Wordsworth, textual study of Poem 8
22 March to 27 March	Doubt removal class, Discussion of old questions paper, Home assignment
28 March to 31 March	<b>Holi Break</b>
1 April to 3 April	Class tests, Introduction to P.B. Shelley, textual study of Poem 9 and discussion of questions
5 April to 10 April	Introduction to Alfred Lord Tennyson, textual study of Poem 10, discussion of questions
12 April to 16 April	Doubt removal class, Home assignment, class tests, revision

UG-Lesson Plan from oct 2020 to March 2021	
Lecturer	Ms. Anku Aggarwal
Class with sem	BCA-2 (Semester-3)
Subject/ Paper	English
Week	Topics
5 Oct - 10 Oct	Introduction to syllabus and examination pattern
12 Oct - 17 Oct	Introduction about communication and its various definition
19 Oct - 24 Oct	Features/characteristics of the communication, Vocabulary Practice, Doubt removal class
26 Oct - 31 Oct	Process of communication, Vocabulary Practice (Prefix/Suffix)
2 Nov - 7 Nov	Communication models and theories, Vocabulary Practice (one word substitution)
9 Nov - 14 Nov	Doubt removal class, class test, Home assignment
16 Nov - 21 Nov	Introduction about Effective communication, Barriers to Effective communication

23 Nov - 28 Nov	Introduction to formal and informal communication, synonyms/ antonyms with practice
30 Nov - 5 Dec	Introduction to LSRW skills, Verbal and nonverbal communication
7 Dec - 12 Dec	Tenses with practice exercises
14 Dec - 18 Dec	Doubt removal classes, Class tests, Home assignment
21 Dec - 26 Dec	Listening Process, group discussion with explanation
28 Dec - 2 Jan	Conjunction with practice, Articles with exercises
4 Jan - 9 Jan	Forms of oral presentation, self presentation, Vocabulary practice
11 Jan - 16 Jan	Doubt removal classes, class tests, Home assignment
18 Jan - 23 Jan	Dyadic communication, 5'ch of communication



25 Jan - 30 Jan	Developing dialogues and development of soft skills, Explanation of proper use of The Communication skills
1 Feb - 6 Feb	Prepositions with practice exercises
8 Feb - 13 Feb	Use of Effective speech, Practice of Conjunction.
15 Feb - 20 Feb	Doubt removal classes, Home assignment, class tests
22 Feb - 27 Feb	Effective self presentation and facing interview skills - explanation about process and preparing for it.
1 Mar - 6 Mar	The Presentation skills and their practical use.
8 Mar - 13 Mar	Doubt removal classes, Home assignments, class tests
15 Mar - 20 Mar	Revision, class tests on Alternate days.

1st Sem.  
Paper I

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer  
Class with sem  
Subject/Paper

Ms. Neha  
B.Sc Ist Sem. Ist  
Zoology Paper 1.1

Week

Topics

2 Nov to 7 Nov	Introduction to Invertebrates General characters and biodiversity
9 Nov to 14 Nov	Introduction to Protozoa General characters and classification of Protozoa, biodiversity and economic importance Type study of Plasmodium
16 Nov to 21 Nov	Life history of Parasitic protozoans:
23 Nov to 28 Nov	<u>Entamoeba</u> and <u>Trypanosoma</u>
30 Nov to 5 Dec	Life history and mode of infection of parasitic protozoans: <u>Leishmania</u> and <u>Giardia</u>
7 Dec to 12 Dec	Introduction to Porifera General characters and classification upto order level, Type study - <u>Sycon</u> , unit Test
14 Dec to 19 Dec	Type study - <u>Sycon</u> , unit test

	canal system in sponges
21 Dec to 26 Dec	Spicules in sponges , unit test
26 Dec to 2 Jan	Introduction to coelenterata General characters and classification Biodiversity and economic importance Type study - <u>Obelia</u>
4 Jan to 9 Jan	coral and coral reefs
11 Jan to 16 Jan	Type study - <u>Obelia</u>
18 Jan to 23 Jan	Polysiphonism in siphonophores Revision and Test
25 Jan to 30 Jan	Introduction to Helminthes General characters and classification Biodiversity and economic importance Type study - <u>Fasciola hepatica</u>
1 Feb to 6 Feb	
8 Feb to 13 Feb	helminth parasites, life-history, mode of infection and pathogenicity of parasites Life-history of <u>Schistosoma</u> , <u>Ancylostoma</u> ,
15 Feb to 20 Feb	<u>Trichinella</u>

22 Feb to 27 Feb	Life history and mode of infection of <u>Trichinella</u> , <u>Wuchereria</u> , <u>Onchocerca</u>
1 March to 6 March	Revision and unit test of Helminths.
8 March to 13 March	Revision - Type study of <u>Plasmodium</u> Unit test
15 March to 20 March	Revision - Type study of <u>Sycon</u> Unit test
22 March to 27 March	Revision - Type study of <u>Urolophora</u> Unit test
28 March to 31 March	Holi Break
1 April to 3 April	Revision - Type study of <u>Paramecium</u> Unit test
5 April to 10 April	Revision - Parasitic protozoans Unit test
12 April to 16 April	Revision - Polymorphisms and coral reefs Unit test

Neha



Ist Semr  
Paper II

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer  
Class with sem  
Subject/ Paper

Vipula Sidhas  
B.Sc. Ist Year (Ist Sem)  
Cell Biology Papers - 1-2

Week

Topics

2 Nov to 7 Nov

9 Nov to 14 Nov

- Ultrastructure of different cell organelles of animal cell.

16 Nov to 21 Nov

- Plasma Membrane: Fluid Mosaic Model

23 Nov to 28 Nov

- Various modes of transport across the membrane, mechanism of active & passive transport.

30 Nov to 5 Dec

- Endocytosis & exocytosis.

- Endoplasmic Reticulum - types,

7 Dec to 12 Dec

- Role of ER in protein synthesis and transportation in animal cell.

14 Dec to 19 Dec

- Golgi Complex - Structure, Associated enzymes & role of golgi-complex in animal cell.

	<ul style="list-style-type: none"> <li>- Internal Test : ER and Fluid Mosaic Model</li> </ul>
21 Dec to 26 Dec	<ul style="list-style-type: none"> <li>- Ribosomes Introduction</li> </ul>
	<ul style="list-style-type: none"> <li>- Ribosomes - types, biogenesis and role in protein synthesis</li> </ul>
28 Dec to 2 Jan	<ul style="list-style-type: none"> <li>- Lysosomes - Structure, enzyme &amp; their role.</li> </ul>
4 Jan to 9 Jan	<ul style="list-style-type: none"> <li>- Polymorphism.</li> </ul>
	<ul style="list-style-type: none"> <li>- Mitochondria - Mitochondrial DNA semi-autonomous body, biogenesis.</li> </ul>
11 Jan to 18 Jan	<ul style="list-style-type: none"> <li>- mitochondrial enzymes</li> </ul>
	<ul style="list-style-type: none"> <li>- Role of mitochondria.</li> </ul>
18 Jan to 23 Jan	<ul style="list-style-type: none"> <li>- Cytoskeleton: Microtubules, microfilaments, cilia, &amp; basal body.</li> </ul>
25 Jan to 30 Jan	<ul style="list-style-type: none"> <li>- Cilia &amp; Flagella.</li> </ul>
	<ul style="list-style-type: none"> <li>- Internal Test : Mitochondria Ribosomes.</li> </ul>
1 Feb to 6 Feb	<ul style="list-style-type: none"> <li>- Ultrastructure &amp; functions of Nucleus nuclear membrane, lamina, nucleolus.</li> </ul>
8 Feb to 13 Feb	<ul style="list-style-type: none"> <li>- fine structure of chromosomes.</li> <li>- Nucleosome Concept</li> <li>- Role of histones</li> </ul>
15 Feb to 20 Feb	<ul style="list-style-type: none"> <li>- Euchromatin.</li> </ul>

22 Feb to 27 Feb	<ul style="list-style-type: none"> <li>- Euchromatin &amp; Heterochromatin</li> <li>- Lampbrush chromosomes.</li> <li>- Polytene chromosomes.</li> </ul>
1 March to 6 March	<ul style="list-style-type: none"> <li>- Mitosis</li> <li>- Meiosis (cell reproduction)</li> </ul>
8 March to 13 March	<ul style="list-style-type: none"> <li>- Brief account of Cancer &amp; its causes.</li> </ul>
15 March to 20 March	<ul style="list-style-type: none"> <li>- An elementary idea of cellular basis of immunity.</li> </ul>
22 March to 27 March	<ul style="list-style-type: none"> <li>- Revision: Nucleus &amp; Nucleolus</li> <li>: Lampbrush &amp; Polytene chromosomes.</li> </ul>
28 March to 31 March	<b>Holi Break</b>
1 April to 3 April	<ul style="list-style-type: none"> <li>- Revision: Cancer</li> <li>: Immunity.</li> </ul>
5 April to 10 April	<ul style="list-style-type: none"> <li>- Revision: Transport across membrane</li> <li>: endocytosis &amp; exocytosis.</li> </ul>
12 April to 16 April	<ul style="list-style-type: none"> <li>- Revision: Cytoskeleton</li> <li>: Golgi complex.</li> </ul>

Neha

2-7-2021

UG - Lesson Plan from Oct 2020 - March 2021

2-8-2021

Lecturer: Vijaya Sidhan

Class with sem: BSc 1st yr Exam.

7-10-2021

Subject: Practical (1-1, 1-2)

18 Jan to 23 Jan

- Showing specimens of Phylum - Porifera and discuss their economic importance.

25 Jan to 30 Jan

- Showing specimens of Phylum - Coelenterata and discuss their economic importance.

1 Feb to 6 Feb

- Showing specimens of Phylum - Coelenterata and Platyhelminthes. + economic importance.

8 Feb to 13 Feb

- Showing specimens of Platyhelminthes (remaining) and Annelminthes.

15 Feb to 20 Feb

- Showing permanent slides of Phylum - Protozoa.



22 Feb to 27 Feb	- Showing permanent slides of Phylum - Protozoa & porifera.
1 March to 6 March	- Showing permanent slides of Phylum - Coelenterata.
8 March to 13 March	- Showing permanent prepared slides of phylum - Platyhelminthes.
15 March to 20 March	- Showing permanent stained preparations of Sycob, Hydro, Fasciola, ascaris and various coelenterata & platyhelminthes.
22 March to 27 March	- Preparing temporary stained slides of Coelenterata.
28 March to 31 March	Holi Break
1 April to 3 April	- Study permanent stained slides of Cell cycle - Mitosis & Meiosis.
5 April to 10 April	- Preparing temporary stained slides of remaining coelenterata.
12 April to 16 April	- Discuss charts and project Reports. - Revision of specimens & slides.

Neha

# B.Sc. II (IIIrd Sem.)

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer  
Class with sem  
Subject/Paper

Dr. Vipula  
B.Sc. II Ind Sem. 3rd  
Zoology Paper 3-1

Week

Topics

5 Oct - 10 Oct	
12 Oct - 17 Oct	Introduction to chordates
19 Oct - 24 Oct	origin & evolutionary tree Role of amnion in evolution Features of chordates, Morphology of types, Biodiversity and economic importance
26 Oct - 31 Oct	Conservation Measures General character and classification of Protochordates, economic importance & conservation
2 Nov - 7 Nov	Measures, Vertebrate introduction Vertebrates: Systemic position, distribution, ecology, Morphology and affinities
9 Nov - 14 Nov	<u>Herdmania</u> : type study, Unit test <u>Herdmania</u> type study, Introduction to
16 Nov - 21 Nov	Cephalochordates, Unit test

23 Nov - 28 Nov	Amphioxus - type study Revision and unit test
30 Nov - 5 Dec	General characters and classification of Cyclostomes, biodiversity and economic importance of cyclostomes
7 Dec - 12 Dec	Cyclostomes: classification and ecological significance, Type study of <u>Petromyzon</u> <u>Petromyzon</u> : Type study, unit test
14 Dec - 19 Dec	Introduction to Pisces
21 Dec - 26 Dec	General characters & classification of Pisces. Economic importance and conservation measures Scales, fins in Pisces
28 Dec - 2 Jan	Parental care in fishes Fish migration Type study of <u>labes</u>
4 Jan - 9 Jan	Test
11 Jan - 16 Jan	<u>labes</u> : type study Revision and Test
18 Jan - 23 Jan	<u>Herdmania</u> : Type study Revision and Test

25 Jan - 30 Jan	origin & evolutionary tree of chordates Role of amnion in evolution Revision and test
1 Feb - 6 Feb	Revision : <u>Amphioxus</u> type study Test
6 Feb - 13 Feb	Revision : <u>Petromyzon</u> - type study Test
15 Feb - 20 Feb	Revision : <u>Labeo</u> - type study Test
22 Feb - 27 Feb	Revision : Parental care in fishes Fish Migration Test
1 Mar - 6 Mar	Revision : <u>Hemichania</u> - type study Test
8 Mar - 13 Mar	Economic importance and biodiversity in chordates - Revision and Test
15 Mar - 20 Mar	Revision and Test

Neha



UG-Lesson Plan from Oct 2020 to March 2021

Lecturer  
Class with sem  
Subject/ Paper

Dr. Neha  
B.Sc. II<sup>nd</sup> Sem. III  
Zoology Paper 3.2

Week

Topics

5 Oct - 10 Oct	
12 Oct - 17 Oct	
19 Oct - 24 Oct	Introduction to Biochemistry
26 Oct - 31 Oct	Introduction to Carbohydrates classification, structure, function and general properties of carbohydrates
2 Nov - 7 Nov	classification, structure, function and general properties of lipids.
9 Nov - 14 Nov	Introduction to Proteins classification, structure, function and general properties of proteins, unit test.
16 Nov - 21 Nov	Nomenclature, classification and Mechanism of Enzyme action, unit test

23 Nov - 28 Nov	Transport through Biomembranes Buffers, Test and Revision
30 Nov - 5 Dec	Nutritional component; carbohydrates, fats, lipids, vitamins and minerals.
7 Dec - 12 Dec	Types of Nutrition and feeding, Digestion of lipids and protein, Test
14 Dec - 19 Dec	Digestion of carbohydrates and Nucleic acids, Syntiotic digestion, Test
21 Dec - 26 Dec	Absorption and assimilation of Nutrients, Control of Enzyme secretion
28 Dec - 2 Jan	Introduction to Muscles, Types of Muscles, ultra-structure of skeletal muscle, bio-chemical and physical events during muscle contraction. Single Muscle twitch, tetanus, muscle fatigue, Muscle tone, oxygen debt, con's cycle, Test
4 Jan - 9 Jan	Physical and functional properties of Muscles, Single unit smooth muscles
11 Jan - 16 Jan	Revision and Test
18 Jan - 23 Jan	Introduction to bones, classification of bones, Structure and types of bones, Bone growth and ossification, Test

25 Jan - 30 Jan	Effect of ageing on skeletal system Bone disorders Revision and Test
1 Feb - 6 Feb	Revision of carbohydrates Test
8 Feb - 13 Feb	Revision of lipids Test
15 Feb - 20 Feb	Revision of proteins and enzymes Test
22 Feb - 27 Feb	Revision: Transport through bio membranes, Buffers, Test
1 Mar - 6 Mar	Revision: Nutrition, Digestion, absorption and excretion, Test
8 Mar - 13 Mar	Revision of Muscles Test
15 Mar - 20 Mar	Revision of Bones Test

Nisha

Vth Sem.  
Paper - I

UG-Lesson Plan from Oct 2020 to March 2021

Lecturer Mrs. Nirmal Malik  
Class with sem B.Sc III (Vth Sem.)  
Subject/Paper Zoology (Paper I)

Week	Topics
5 Oct - 10 Oct	
12 Oct - 17 Oct	
19 Oct - 24 Oct	Introduction of world fisheries Fresh water fisheries of India Major river systems of India.
26 Oct - 31 Oct	Captive & culture fisheries. Cold water fisheries.
	Fishing crafts & gears
2 Nov - 7 Nov	Unit Test
9 Nov - 14 Nov	Fin fishes Crustacean culture Prawn culture
16 Nov - 21 Nov	Fish seed resources Hatchery seed production Pearl culture



	Induced Breeding
23 Nov - 28 Nov	Round "
	Hatching Happa
30 Nov - 5 Dec	Breeding " Unit Test
	Ecological factors affecting Induced Breeding
7 Dec - 12 Dec	Fish feed
	Artificial feed
14 Dec - 19 Dec	Techniques of fish culture Unit Test
	Pond culture
21 Dec - 26 Dec	Raring & recycled water culture
	Nursery & Rearing ponds
28 Dec - 2 Jan	Stocking & Harvesting ponds.
	Cage culture
4 Jan - 9 Jan	Polyculture Unit Test
	Management of fishery
11 Jan - 16 Jan	Fish Marketing
	Biotechnology in fisheries
18 Jan - 23 Jan	Cryopreservation.

25 Jan - 30 Jan	Hybridisation Sex reversal monosex culture
1 Feb - 5 Feb	Transgenic fishes Methods of Transgenesis.
8 Feb - 13 Feb	Sterile fishes. Unit Test
15 Feb - 20 Feb	Gill net, cast net, Drag net Purse net, dip net.
22 Feb - 27 Feb	Trawls & Sines. Unit Test
1 Mar - 6 Mar	Revision.
8 Mar - 13 Mar	Revision
15 Mar - 20 Mar	Unit Test Revision.

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V<sup>th</sup> Sem.  
Paper - II

UG-Lesson Plan from oct 2020 to March 2021

Lecturer  
Class with sem  
Subject/Paper

Mrs. Nirmal Malik  
B.Sc. II (V<sup>th</sup> Sem.)  
Zoology (Paper-II)

Week

Topics

5 Oct - 10 Oct

12 Oct - 17 Oct

19 Oct - 24 Oct

26 Oct - 31 Oct

2 Nov - 7 Nov

9 Nov - 14 Nov

16 Nov - 21 Nov

Introduction

Abiotic factors

Biotic factors

Unit Test

Ecosystems

Major Ecosystems

Ecological Pyramids

Biomass

Biosphere

Biogeochemical cycles

Population growth

23 Nov - 28 Nov	Origin of life.
30 Nov - 5 Dec	Evidences of organic Evolution. Unit Test.
7 Dec - 12 Dec	Lamarckism Darwinism.
14 Dec - 19 Dec	Micro-Evolution. Unit Test
21 Dec - 26 Dec	Macro & Mega evolution.
28 Dec - 2 Jan	Concept of Species. Unit Test
4 Jan - 9 Jan	Phylogeny of Horse.
11 Jan - 16 Jan	Phylogeny of Man. Unit Test
18 Jan - 23 Jan	Seminar on Abiotic factors



25 Jan - 30 Jan	Seminar on Biotic factors.
1 Feb - 6 Feb	Seminar on Ecosystems.
8 Feb - 13 Feb	Seminar on Biogeochemical cycles.
15 Feb - 20 Feb	Seminar on Evidences of organic Evolution.
22 Feb - 27 Feb	Seminar on Micro, Macro, Macro Evolution.
1 Mar - 6 Mar	Seminar on Man & Horse Evolution.
6 Mar - 13 Mar	Revision.
15 Mar - 20 Mar	Revision.

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23 Nov - 28 Nov

30 Nov - 5 Dec

7 Dec - 12 Dec

14 Dec - 19 Dec

UG-Lesson plan from Oct. 2020 - March 2021

21 Dec - 26 Dec

Lecturer : Mrs. Nirmal Malik

Class with sem : B.Sc III (Vth sem)

28 Dec - 2 Jan

Subject : Zoology (Practical)

4 Jan - 9 Jan

11 Jan - 16 Jan

Specimen Identification

18 Jan - 23 Jan

catla - catla, dabco - rohi, dabco Calbasu  
Cirrhis mrigala, Barbus Satana, Wallago attu

25 Jan - 30 Jan	<p><u>Specimen Identification</u>,  <i>Trichogaster fasciata</i>, <i>Channa punctata</i>,  <i>Channa striata</i>, <i>Myxus tengara</i>, <i>Myxus singhala</i></p>
1 Feb - 6 Feb	<p><u>Specimen Identification</u>  <i>Cancer</i>, <i>Limulus</i>, <i>Palinurus</i>, <i>Eupagurus</i>,  <i>lobster</i>, <i>Mytilus</i>, <i>Unio</i>, <i>ostrea</i></p>
8 Feb - 13 Feb	<p><u>Ecological Expts.</u>  i) PH of Pond water  ii) Chloride Test of Pond H<sub>2</sub>O  Nitrate Test of Pond H<sub>2</sub>O  PH of Soil sample</p>
15 Feb - 20 Feb	
22 Feb - 27 Feb	<p>Chloride Test of Soil sample  Phosphate " " " "  Nitrate " " " "</p>
1 Mar - 6 Mar	<p>To study diff types of Nets.</p>
8 Mar - 13 Mar	<p>Study of fish parasite slides</p>
15 Mar - 20 Mar	<p>Evolutionary Evidences of Man &amp;  Horse.</p>

Amishi

23 Nov - 28 Nov

30 Nov - 5 Dec

7 Dec - 12 Dec

14 Dec - 19 Dec

21 Dec - 26 Dec

UG- lesson Plan from oct 2020 to March 2021

28 Dec - 2 Jan

Lecturers : Neha

class with sem: Bsc II, sem. III

4 Jan - 9 Jan

Subject : Zoology (Practical)

11 Jan - 16 Jan

Specimen Identifications : Protozoata

18 Jan - 23 Jan



25 Jan - 30 Jan	Specimens Identification : Cyclostomata, Chondrichthyes
1 Feb - 6 Feb	Specimens Identification : Osteichthyes
8 Feb - 13 Feb	Study of skeleton : <u>Scaliodon</u> and <u>labro</u>
15 Feb - 20 Feb	Study of slides
22 Feb - 27 Feb	Study of different system of <u>Hemichania</u> and <u>labro</u> Preparation of permanent slides
1 Mar - 6 Mar	Study of Migration in fishes and environmental fishes
8 Mar - 13 Mar	Revision of specimens
15 Mar - 20 Mar	

Neha