

NEP syllabus
Subject Lesson Plan August-2024 to November-2024
Course code - 24UN-HIS-101

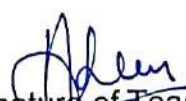
Name of the Teacher Ashwani Kumar Subject History
Paper History of Ancient India Class & Section 1st sem

August-2024 Unit-I Stone Age Sources of Ancient Indian History
Harappan Civilization - General features
Vedic Age - General features
Religious Movement Buddhism and Jainism

September-2024 - Unit-II
Rise of Magadha Empire
Polity of Mauryan and Post Mauryan empire
Polity of Gupta and Post Gupta empire

October-2024 Unit-III
Tripartite Struggle: Palas, Pratiharas and Rashtrakutas
Polity and Administration of Chola and Chalukyas
Advent of Arab and Turks - Its impact on India

November-2024 Unit-IV After Mahan
Important sites of Harappan Civilization
Expansion of Ashoka's empire
Expansion of Krishna's empire
Expansion of Harsha's empire


Signature of Teacher

Lesson Plan

Name of the Teacher.....S.K.M.H.....
Paper.....Health & Physical Education.
Section.....

Subject.....Physical Education
Class.....B.A. 1st Sem
Session2024-25)

July-2024

August-2024

Unit I

- (i) Meaning definition and Scope of Physical Education.
- (ii) Relationship of Physical Education with General Education.
- (iii) Aim objectives and importance of Education in modern Society.
- (iv) Misconceptions regarding Physical Education.

September-2024

Unit II

- (i) Meaning definition and importance of Health.
- (ii) Factors influencing Health.
- (iii) Meaning and importance of Personal Hygiene.
- (iv) Hygiene of various body parts and factors influencing Personal.

October-2024

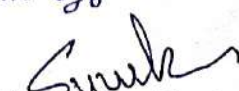
Unit III

- (i) Yoga - Meaning Concept and Historical development.
- (ii) Types of yoga
- (iii) Importance of yoga in healthy living.
- (iv) Pranayam - meaning types and their benefits.

November-2024

Unit IV

Meaning and definition of Human Anatomy and Physiology
Cell, Tissue, Organ and System.


Signature of the Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sonender Sharma Subject English
Paper _____ Class & Section B.A. 2nd Sem
Section B & C

August-2024

Unit I Understanding India

1. Think India : A Rainbow of Contradictions
2. 'A Suitable Boy' by Vikram Seth

September-2024

Unit I

1. Bharti Literature Meerabai & Kabir

2. Representing Partition in Literature

Unit II Dalit Movement

North East Literature , Tribal Literature

October-2024

Unit III

Introducing Parts of Speech

Three forms of Verbs and application of
grammatical topics in the texts

November-2024

Unit IV

Introducing Basic Speech Sounds

Phonemic transcription

Revision of the syllabus

Sonender
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher डॉ. कहेन्द्र सिंह Subject हिन्दी
Paper ① आधुनिक हिन्दी कविता, (प्रथम सत्र) Class & Section B.A.I, II, III
② आधुनिक हिन्दी कविता (द्वितीय भाग)
③ हिन्दी सैन्यार कौशल (पंचम भाग)
August-2024 हिन्दी भाषा एवं आधुनिक कविता :- इकाई :- ① भाषा :- परिभाषा, विशेषताएँ, भाषा के विकास, भाषा की प्रकृति, भाषा और वास्तव भाषा का विशद, भाषा की भूमिका, भाषा का स्थान,
आधुनिक हिन्दी कविता :- इकाई :- ① तृतीय सत्र :- भारतेन्दु हरिश्चन्द्र
अभ्युपगम सिंह उपलब्ध ;
हिन्दी सैन्यार कौशल :- पंचम सत्र :- इकाई :- I भाषा, अर्थ, परिभाषा,
भाषा के प्रकार, विशेषताएँ, उपभोगिता.
September-2024 हिन्दी भाषा एवं आधुनिक कविता :- इकाई :- 2 मैथिलीशरण,
जयशंकर, सुप्रसन्न त्रिपाठी, रामधारी, भाग्यश्री
आधुनिक हिन्दी कविता :- इकाई :- मैथिलीशरण, जयशंकर,
हिन्दी सैन्यार कौशल :- इकाई :- 2
October-2024 हिन्दी भाषा एवं आधुनिक कविता इकाई - 3
निर्धारित अवधि में व्याख्यात्मक परिचय एवं निर्धारित कथित
समीक्षात्मक प्रश्न
हिन्दी सैन्यार कौशल :- इकाई :- 3
आधुनिक हिन्दी कविता :- इकाई :- 3 निराला, बंसी
November-2024 हिन्दी भाषा एवं आधुनिक कविता :-
इकाई :- समस्त पाठ्यक्रम से व्युत्पन्न प्रश्न
आधुनिक हिन्दी कविता :- भाग्यश्री, नरेश कर्तव्य
हिन्दी सैन्यार कौशल :- इकाई :- 4


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Practical Lab

Name of the Teacher Manju

Subject Logical Organization of Computer

Paper 24UN-BCA-103

Class & Section BCA-1st year 1st Sem.

August-2024

Number Systems:- Binary, Octal, Hexa, BCD, weighted Code

Error detecting and Correcting, ASCII, EBCDIC & UNICODE

Number Representation:- Integer number - sign magnitude

⇒ Test :- & PPT & Assignment

Lab. Problem based Number System and their Conversion.

September-2024

Binary Arithmetic :- Addition, Subtraction, Multiplication

Boolean Algebra :- postulates, Basic theorems, K-map

⇒ Test & PPT & Assignment

Lab :- Programs based on Binary Arithmetic :-

October-2024

Basic Logic Gates :- AND, OR, NOT, NAND, NOR, XOR, XNOR

Their symbols, Truth Tables, Combinational Circuit, Half

Adder, full Adder, Multiplexers, Demultiplexers

⇒ Test & PPT & Assignment

Lab :- Designing and Various Gates, Combinational Circuit.

November-2024

Sequential Circuits :- Basic Flip-flops and their

Working, Characteristics & Excitation Tables.

SISO, SIPO, PISO, PIPO and Shift Registers

⇒ Test & Assignment

Lab :- Designing and Various Sequential Circuits.

Manju
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject Mechanics
Paper Mechanics 24UN-PHY- Class & Section B.Sc 1st Sem.
101

August-2024

Fundamentals of Dynamics:- Rigid Body, Moment of inertia, Theorem of Perpendicular and parallel axis, Law of Conservation of angular momentum, Rolling Motion, Moment of inertia of irregular Body.

September-2024

Elasticity :- Deforming force Tension in Rotating Rod, Dispersion of a Centrally loaded beam supported at its ends

October-2024

Special theory of Relativity:- Michelson's Morley experiment and its outcomes, Postulates of special theory of Relativity. Problem of Relativistic problems Dynamics

November-2024

Gravitation and Central force of Motion :- Law of Gravitation, potential, Normal Coordinates, Two body Problem and Normal Mode.

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

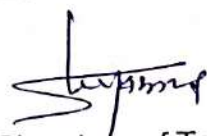
Name of the Teacher Shyamvir Subject HINDI BA Ist
Paper HINDI Class & Section M.A II year

August-2024
I III sem पर
सैमिनार, इकाई I
हिन्दी नाटक की रंगमंच, हिन्दी साहित्य का इतिहास, भाषा विज्ञान
इकाई एक इतिहास, इ
B.A Ist sem Minor हिन्दी का व्यावहारिक व्याकरण इकाई I, II

September-2024
M.A Ist sem इकाई - II
एक. एक इकाई - II
B.A Ist हिन्दी का व्यावहारिक व्याकरण इकाई II

October-2024
M.A Ist sem इकाई - III
M.A Ist sem इकाई - III
B.A Ist हिन्दी का व्यावहारिक व्याकरण इकाई III

November-2024
M.A Ist sem इकाई IV और दोहराई
M.A Ist sem इकाई IV और दोहराई
B.A Ist sem हिन्दी का व्यावहारिक व्याकरण इकाई IV और दोहराई


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Ummed Singh Subject Chem

Paper

August-2024

- August-2024
- 1) Fin. A/cing: Concept, objectives, Scope, Book Keeping, B/A/cing: Principles, Concept, Conventions, cycles, Equation, Branches, Journal Ledger, Trial Balance
 - 2) Introduction models in E-Com., B2B, B2C, C2B, G2C, Travels, on line shipping web portal, etc.
 - 3) Mgt A/cing: Nature, Scope, significance, Limitation Tech., Methods, accountants. Role, Position, qualification, Responsibilities of Accountants.
 - 4) Retailing: - Nature, Scope, importance, Growth, Present size future in India
 - 5) Career option Technology in distribution in Retailing
 - 6) Human Resource mgt.: - Introductory part of Human Resource mgt.

September-2024

- ⑤ Human Resource Management - HRM
- September-2024
- ① Capital Revenue Exp. and Income with standards, Dep., Ror Signs & Rese
- ② Network Topology, TCP/IP Address, Domain, URL, Email Protocol
- ③ HTTP, WWW, Internet services through mobile, MB, WAP, WML Mobile
- ④ Contemporary issues, value chain analysis, Balanced Scorecard.
- ⑤ Advantages and disadvantages and CVP analysis
- ⑥ Types, Stores classified by ownership, stores, 3 HON Stores Based Firm
- ⑦ Cash and carry business, Retailing models, Retailing (concept)
- ⑧ Human Resource mgmt. - How to develop and manage HR
- October-2024
- ① Human Resource
- ② HRM and B/C Receipt and Payment A) (

October-2024

- ⑤ Human Resource
October-2024
- ① Final A/Cs, Trading, P&L A/C and B/S. Receipt and Payment A/C
- ② Income Statement A/C and with adjustment
- ③ Online Payment, E-Pay, Payment Gateway, RSK, Authenticator, cr. card, Plastic money, Pvt. Key-Digital Sign, Digital certificate
- ④ Std. costing, concept advantages, s.v. analysis, mat., labour, o/p, management uses of variance
- ⑤ mat. of Retailing Business operation, mgmt. process, Total Performance
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November-2024

- November-2024
- ① Consignment and A/cing for Joint Venture - Distinction
 - ② Threats in E-Com. security, issues on web., Cyber Law & Act, E-Governance
 - ③ Responsibility A/cing: - Meaning, Definition, Advantage, Responsibility
 - ④ T.Q.M. implementation, History, Evolution, Deming 14 Points, Resources TQM
 - ⑤ Retail: - Planning, Importance, Process, Action Plan
 - ⑥ Development, Objectives, Pricing & Location Strategy, Project Report
 - ⑦ Incentive as financial, as well non financial.

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Practical Lab

Name of the Teacher Manju

Subject Fundamental of Computer Science

Paper 24VN - BCA - 102

Class & Section BCA - 1st year 1st Sem.

August-2024

Computer fundamentals :- Evolution of Computer through generation
Characteristic, Limitations, Application of Computer, type of Software
Application of Software, Memory Systems :- Concepts of bit, byte,
Concept of Memory hierarchy - RAM, ROM, PROM, EPROM
Lab :- Computer Basics, Understand Various type of Software.
September-2024

7 to devices :- classification and use, Keyboard, pointing, etc.
Introduction of operating system :- features of OS, Buttons,
Lab :- Starting with basics of operating system
Test & PPT
October-2024

The Internet :- Introduction to Network, history, Modes
of Connecting to Internet Electronic mail :- introduction
advantages & Disadvantages, Browsers and Search engines.

Test & PPT

Lab :- Understanding internet and its services
November-2024

Threat :- Physical & non-physical threat, Virus
worm, Trojan, phishing, Hacking, Cracking,
Computer Security fundamentals :- Anti virus & firewalls

Test & PPT

Lab :- Internet and security related Concepts.

Manju
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher YASHPAL MEHTA Subject Economics
Paper Micro Economics - I Class & Section BA I, II & III

August-2024

BA I - Nature & Scope of economics, mixed market economics

Partial & General Equilibrium

BA II - Macroeconomics - Nature & Scope, Concepts of GDP & Measurement & Limitations of National Income.

BA III - Features of Indian Economy: Objective & Strategies.

September-2024

BA I - Demand Function - Law of Demand & Elasticity of Demand
Utility Analysis - Cardinal & Ordinal analysis, law of supply

BA II - Income & Employment: Classical & Keynesian theory of income & employment, Say's Law of Market.

BA III - Recent Trends & Policy in Agriculture sector, Land reforms.

October-2024

BA I - Production Function - Law of Return to a factor, law of returns to scale.

BA II - Consumption Function & Investment Function, MPC, Multiplier

BA III - Recent Trends and Policy in Indian Industry & Service sector
Industrial Policy.

November-2024

BA I - Market - Perfect Competition, Monopoly & Monopolistic Competition

BA II - Circular flow of National Income - two, three & four sector model
Net Export Function, Equilibrium GDP.

BA III - Monetary Policy of RBI, Commercial Bank, Banking Sector
Performance since 1991.


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka

Mathematical Foundation
Subject of Computer Science-I

Paper 24 UN-BCA-104

Class & Section BCA-Ist year-Ist sec.

August-2024

Set and Representation :- Union, Complement
Venn Diagram, De-Morgan's Law. and
their application.

1 test, 1 Assignment.

⇒ Lab:- Problem based De Morgan Law Programs, Venn Prog

September-2024

Matrices and their types, Operations, Solution
of a system of linear equation up to order 3.
1 Test & Assignment ⇒ Lab:- Programs to order 3.

October-2024

Quadratic equation, Arithmetic progression
Harmonic progression, A.M, G.M, H.M & Relation AM, HM, GM
+ 1 Test & Assignment.

Lab:- Program to A.M, G.M, H.M, Program
to Quadratic equation.

November-2024

Differentiation, Simple function, Real-life
situation, Exponential function.

+ Test, Assignment.

Lab:- AP, GP, H.P Programs

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject Problem Solving through Lab & Paper.
Paper 24 UN-BCA-101 Class & Section BCA-1st year, -1st sem.

August-2024

Overview of C: Constants, Variables, Identifiers
Keywords Data Type, Input/Output function
Output functions viz, Symbolic Constant
Test + PPT + Assignment.

Lab:- Program in Data Type, Variables, Constants
September-2024

Operators & Expression :- Arithmetic, Relational
Hierarchy, Evaluation of Arithmetic Expression
Casting & Conversion, Looping Statements (+ Test)

October-2024

Arrays; Memory representation, Functions
Prototype, all the value, Recursive function
String, String, String Manipulation.
search for a substring. Pointers, User defined
Lab: data type, Structure, Unions. (+ Test)

November-2024

Lab:- Program to (Radius, whether, Palindrome
Duplicate Element, Matrices, Factorial
Fibonacci series, Array, To find
* the length of a string, structure
Union) All programs. (PPT)

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelam Subject Political Science
Paper Principles of Political Science - I Class & Section B.A. 1st A+B.
Sem. I

August-2024

Unit I - Meaning, Nature, Scope and Significance
of Political Science.
Relationship of Political Science with Philosophy,
History, Economics and Sociology.

September-2024

Unit II -
State : Meaning, Definition, Elements ; Origin and
Development of the state : Divine Origin Theory,
Force Theory, Social Contract Theory and
Evolutionary Theory.

October-2024

Unit III - Functions of state, state and
society, State and Government, State
and Nation.

November-2024

Unit 4 -
Sovereignty : Meaning, Types and
main characteristics ;
Monistic and Pluralist Theories of
Sovereignty.

Dr. Neelam
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Shalpi Sharma Subject Psychology

Paper Foundations of Psychology Class & Section B.A. 1st Sem

Code - 24 UN - PSY - 101

August-2024

- Introduction, Nature & Scope of Psychology.
 - Psychology as a Science and Present Status
 - Methods to Study Behaviour - Interview, Case Study
 - Experimental Method, Eastern and Western thoughts of Psychology. (Start) Practical - Introduction to report writing
 - Schools of Psychology - Associationism (Subject matter & contribution), Structuralism (Subject matter & contribution)
 - Functionalism - (Subject matter, methods & contribution), Gestalt (Subject matter, Methods & Contribution). Practical - Personality Test & Simple reaction time
- September-2024
- October-2024
- Class Test I and Assignment I
- Sensation - Meaning, Nature, Characteristics & Types.
 - Visual sensation - Structure & functions of Eye.
 - Auditory sensation - Structure & functions of Ear,
 - Attention - Nature and Characteristics.
 - Personality - Introduction. Practical - Verbal Test of Intelligence & Performance Test of Intelligence
 - Personality - Nature, factors affecting. Theories of Personality: Allport, Cattell & Eysenck.
 - Intelligence - Nature, factors affecting, theories: Spearman, Thurston and Cattell. Practical - 16 PF Questionnaire
 - Revision of complete syllabus, Class Test II and Assignment.



Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder kumar Subject SANSKRIT
Paper _____ Class & Section B. A. Ist sem

August-2024

Unit - I

विशेष

September-2024

Unit - 2

नीतिशतक

Unit - 3

शतक

October-2024

Unit - 3

शतक

Unit - 4

अथ सन्धि

November-2024

Unit - 4

हल् सन्धि व विसर्ग सन्धि

कठस्थ श्लोक

Unit - 5

लघुतरात्मक ५२१


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sonender Shasna Subject English
Paper _____ Class & Section B.A. 2nd Sem
Section B 2.0

August-2024

Unit I Understanding India

1. Think India : A Rainbow of Contradictions
2. 'A Suitable Boy' by Vikram Seth

September-2024

Unit I

1. Bhakti Literature Meerabai & Kabir

2. Representing Partition in Literature

Unit II Dalit Movement

North East Literature , Tribal Literature

October-2024

Unit III

Introducing Parts of Speech

Three forms of Verbs and application of
grammatical topics in the texts

November-2024

Unit IV

Introducing Basic Speech Sounds

Phonemic transcription

Revision of the syllabus

Sonender
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher डॉ. कटेन्द्र सिंह Subject हिन्दी

Paper आधुनिक हिन्दी कविता, (पंचम सत्र) Class & Section B.A.T.II, III

② आधुनिक हिन्दी कविता (तृतीया सत्र)

③ हिन्दी संचार कौशल (पंचम सत्र)

August-2024 हिन्दी भाषा एवं आधुनिक कविता : इकाई : - ① भाषा : - परिभाषा, विशेषताएँ, भाषा के विकास, भाषा की प्रकृति, भाषा और वास्तु भाषा का विस्तार, भाषा के विकास का स्थापन,

आधुनिक हिन्दी कविता : इकाई : - ① तृतीया सत्र : - भारतेन्दु हरिश्चन्द्र

अभिव्यक्ति सिद्धे उपलब्धता :

हिन्दी संचार कौशल : - पंचम सत्र : - इकाई : - 1 भाषा, अर्थ, परिभाषा भाषा के प्रकार, विशेषताएँ, उपभोगिता.

September-2024 हिन्दी भाषा एवं आधुनिक कविता : इकाई : 2 मैथिलीशरण,

जमशेकर, सुभक्तान्त विपादी, रामधारी, नागार्जुन

आधुनिक हिन्दी कविता : - इकाई : - मैथिलीशरण, जमशेकर,

हिन्दी संचार कौशल : - इकाई : - 2

October-2024

हिन्दी भाषा एवं आधुनिक कविता इकाई - 3

निर्धारित व्यवस्थाओं का साहित्यिक परिचय एवं निर्धारित क

समीक्षात्मक प्रश्न

हिन्दी संचार कौशल : - इकाई : - 3

आधुनिक हिन्दी कविता : इकाई : - 3 निराला,

November-2024

हिन्दी भाषा एवं आधुनिक कविता :

इकाई : - समस्त पाठ्यक्रम से व्युत्पिष्ट प्रश्न

आधुनिक हिन्दी कविता : - नागार्जुन, नरेश क

हिन्दी संचार कौशल : इकाई : - 4


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sonender Sharma Subject Eng. 12th
Paper _____ Class & Section B.A. 5th Sem
Section B

August-2024 Unit I Building Blocks
2. Verbs 3. Adjectives
4. Adverb 5. Preposition
6. Spotting Errors

September-2024 Unit II
1. Synonyms 2. Antonyms
3. One Word Substitution 4. Idioms and Phrases
5. Phrasal Verbs 6. Idiomatic Use of Verbs 7. Homonyms

October-2024 Unit II Test of Spelling
Unit III 1. Rearrangement of Jumbled Words
2. Jumbled Sentences
3. Word Pairs
4. Sentence Completion

November-2024 Unit IV
1. Comprehension
2. Cloze Test

Sonender
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Somenader Sharma Subject English
Paper _____ Class & Section B.A. 3rd Sem
Section B

August-2024

Unit I

Story no. 01 'The Model Millionaire'

Story no. 02 'A Cup of Tea'

Story no. 03 'The Mother'

Story no. 04 'The Gift of Magi'

September-2024

Unit II

Poem no. 01 'All the World's a Stage'

Poem no. 02 'Mending Wall'

Poem no. 03 'La Bella Dame Sans Merci'

Poem no. 04 'Refugee Mother and Child'

October-2024

Unit III

Grammar and Vocabulary

Editing of Passages

Correction of Selected Sections

Antonyms and Synonyms

November-2024

Unit IV

Important Poetic Forms and Devices and
their use

Revision of the syllabus

Somenader
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelam Subject Political Science
Paper Principles of Political Science Class & Section B.A. 1st A+B.
-I sem. I+II

August-2024

Unit I - Meaning, Nature, Scope and Significance
of Political Science.

Relationship of Political Science with Philosophy,
History, Economics and Sociology.

September-2024

Unit II -

State : Meaning, Definition, Elements; Origin and
Development of the State : Divine Origin Theory,
Force Theory, Social Contract Theory and
Evolutionary Theory.

October-2024

Unit III - Functions of State, State and
Society, State and Government, State
and Nation.

November-2024

Unit 4 -

Sovereignty : Meaning, Types and
main characteristics ;

Monistic and Pluralist Theories of
Sovereignty.

Neelam
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelam Subject Political Science
Paper Comparative Governmental and Politics. Class & Section B.A. IInd Sem. 3rd.

August-2024

Unit I - Comparative Political Analysis: Meaning, Nature, Scope and Methods.
Comparing Regimes: Authoritarian and Democratic.

September-2024

Unit II -

Classification of Political System: Parliamentary and Presidential: UK and USA.
Federal and Unitary: Canada and China.

October-2024

Unit III - Electoral Systems: First Past the Post, Proportional Representation and Mixed System
Party systems: One Party, Two Party and Multi Party Systems.

November-2024

Unit IV -

Contemporary Debates on the Nature of state:
From state Centric to Human Centric Security,
Changing Nature of Nation State in the context of Globalization.

Neelam
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelan Subject Political Science
Paper Indian Political Thought Class & Section B.A. IIIrd
(opt. II) Sem. Vth

August-2024

Unit 1st

Ancient Political Thought : Sources and Characteristics.

Political Thoughts : Shanti Parva, Dharma-shastra and Arthashastra Traditions.

September-2024

Unit IInd

Political Thoughts of Raja Ram Mohan Roy and Vivekananda.

October-2024

Unit IIIrd

Political Thought of Dr. B.R. Ambedkar and Mahatma Gandhi.

November-2024

Unit IVth

Political Thought of Deen Dayal Upadhyaya and Jai Prakash Narayan.

Dr. Neelan
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Puskeras Dutta Sharma Subject Mathematics
Paper Ordinary Differential Equations Class & Section M.Sc. I Sem.
And Calculus of Variations

August-2024

Preliminaries, Initial value Problem and equivalent
Integral equation, Lipschitz Condition, Picard-Fundamental
Existence and Uniqueness Theorem, Sturm Liouville BVPs,
Sturm Separation and Comparison Theorem.

September-2024

Puffer Transformation Adjoint system,
Self Adjoint equation of second order, linear system
fundamental set and fundamental matrix, nth order
differential equation equivalent to a first order system.

October-2024

Non-linear differential system, Plane Autonomous
System and Critical points, classification of critical points.
Almost linear system, Stability, Asymptotic stability and
Unstability of critical points. Periodic solutions and.
Floquet theory, Limit cycles.

November-2024

Poincare-Bendixson Theorem, Index of a critical point,
Motivating problems of Calculus of Variations, Shortest
Distance Brachistochrone problem, Geodesic, Euler
Equation for one dependent function and its generaliz-
ation to 'n' dependent functions to higher order derivative
Conditional extremum under Geometric constraints.

Signature of Teacher

Puskeras

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher YASHPAL MEHTA Subject Economics
Paper Micro Economics - I Class & Section BA I, II & III

August-2024

BA I - Nature & Scope of economics, micro & macro economics
Partial & General Equilibrium

BA II - Macro economics - Nature & Scope, Concepts of GDP &
Measurement & Limitations of National Income.

BA III - Features of Indian Economy: Objective & Strategies.

September-2024

BA I - Demand Function - Law of Demand & Elasticity of Demand
Utility Analysis - Cardinal & Ordinal analysis, law of supply

BA II - Income & Employment: Classical & Keynesian theory of income &
employment, Say's Law of Market.

BA III - Recent Trends & Policy in Agriculture sector, Land reforms.

October-2024

BA I - Production Function - Law of Return to a factor, law of
returns to scale.

BA II - Consumption Function & Investment Function, MPC, Multiplier

BA III - Recent Trends and Policy in Indian Industry & Service sector
Industrial Policy.

November-2024

BA I - Market - Perfect Competition, Monopoly & Monopolistic
Competition

BA II - Circular flow of National Income - two, three & four sector model
Net Export Function, Equilibrium GDP.

BA III - Monetary Policy of RBI, Commercial Bank, Banking Sector
Performance Since 1991.


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Renu Sharma Subject Geography
Paper Physical Geography Class & Section 2nd Year (3rd sem.)

August-2024 General Introduction to Physical Geog.

Definition, Nature & Scope of Physical Geog
Geological Time Scale & Rocks
Earth Movements: Orogenic & Epeirogenic
Class test of the syllabus done
Assignment - I

September-2024

Fundamental Concepts of Geomorphology, Earthquakes
& Volcanoes, Weathering & Mass Wasting
Process & Landforms of Wind & Running Water. Class test

October-2024

Weather & Climate, Origin, Composition & Structure of
Atmosphere. Monsoon, Jet Stream, El-Nino,
La-Nino Phenomena. Assignment - II
Class test of Unit - III

November-2024

Configuration of Ocean floors & Surface
Relief of Pacific, Atlantic & Indian Ocean
Temperature & Salinity of Oceans, Tides, Waves
& Ocean Currents. Circulation in Pacific, Atlantic
& Indian Ocean. Class test of Hydrosphere
& Revision of entire syllabus.

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher PUSHKAR DUTTA SHARMA Subject Mathematics
Paper Analytical Number Theory Class & Section M.Sc. 3rd sem.

August-2024

Distribution of Primes, Fermat's and Mersenne Numbers, Farey series and some results concerning Farey Series, Hurwitz's theorem, Irrationality of e and π .

September-2024

Diophantine equation $ax + by = c$. The representation of number by two or four squares. Four square theorem, Chinese Remainder theorem, Extension of Chinese Remainder theorem.

October-2024

Quadratic Residues and Non-Residues, Legendre's symbol, Gauss Lemma and its Application, Quadratic Law of Reciprocity, Jacobi's symbol, power-modules.

November-2024

Primitive roots and their existence. Arithmetic functions, Definition and examples and simple properties of Arithmetic functions. The Mobius Function.

P.D. Sharma

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Shalpi Sharma Subject Psychology

Paper Foundations of Psychology Class & Section B.A. 1st Sem

Code - 24 UN - P34 - 101

August-2024

- Introduction, Nature & Scope of Psychology.
- Psychology as a Science and Present Status
- Methods to Study behaviour - Interview, Case Study
- Experimental Method, Eastern and Western thoughts of Psychology. (Start) Practical - Introduction to report writing
September-2024
- Schools of Psychology - Associationism (Subject matter & contribution), Structuralism (Subject matter & contribution)
- Functionalism - (Subject matter, methods & contribution), Gestalt (Subject matter, Methods & Contribution). Practical - Personality Test & Simple reaction time
October-2024
- Class Test I and Assignment I
- Sensation - Meaning, Nature, Characteristics & Types.
- Visual sensation - Structure & functions of Eye.
- Auditory sensation - Structure & functions of Ear,
- Attention - Nature and Characteristics.
- Personality - Introduction. Practical - Verbal Test of Intelligence & Performance Test of Intelligence
November-2024
- Personality - Nature, factors affecting. Theories of Personality: Allport, Cattell & Eysenck.
- Intelligence - Nature, factors affecting, theories - Spearman, Thurston and Cattell. Practical - 16 PF Questionnaire
- Revision of complete syllabus, Class Test II and Assignment.


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Shaili Sharma Subject Psychology
Paper Psychological Disorders 20UPSY30 Class & Section IIIrd Sem

August-2024

- Basic Concepts of Psychological disorders -
- Definition and Criteria of abnormality
- Classification: Meaning Purpose, Introduction to DSM (TR)
- Key features of DSM (TR), Diathesis Stress Models

Practical - PGIMS

September-2024

- Approaches to Psychopathology - Biological
- Approaches to Psychopathology - Psychodynamic, Cognitive & Cultural
- Clinical States - Introduction to Anxiety Spectrum disorders
- GAD and OCD - Etiology & Symptoms, Class test I

Practical

October-2024

- Mood Disorders - Unipolar & Bipolar
- Schizophrenia - Disorganized, Paranoid & Catatonic, Assignment I
- Learning Disabilities - Dyscalculia, Dysphasia, Dyslexia
- Dinner Break

Practical - (AO (Contd.)), Depression Inventory

November-2024

- Introduction to treatment (i) Biological & (ii) Psychological
- Pharmacotherapy & Electro Convulsive therapy
- Psychological treatment - Psychoanalytic therapy, Behavior therapy
- Cognitive behavior therapy, Revision & Class test II

Practical

Case History or WAT



Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Asha

Subject Psychology

Paper Developmental Psychology

Class & Section B.A. Vth Sem

Code : 20UPSY503

August-2024

- Human Development : concept and Principles
- Factors in Human Development : Biological, Social and Cultural
- Emotional Maturity Scale

September-2024

- Prenatal Development, Determinants & stages
- Infancy : Characteristics, Hazards and Adjustment
- Self concept, Youth Problem Inventory, Test-I

October-2024

- Childhood : Characteristics, Perceptual, Motor, Emotional, cognitive Development
- Adolescents : Characteristics and Problem of Adolescents & adjustment
- Self Esteem Inventory, study of values

November-2024

- Adulthood : Early Adulthood, Aging : Physical conditions, Personal Relationships, Financial and Emotional Problems, Death anxiety.
- Revision of complete syllabus, Class Test II and Assignment

Asha
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder kumar Subject SANSKRIT
Paper _____ Class & Section B.A. Ist sem

August-2024

Unit - I

होवा पत्र

September-2024

Unit - 2

नीतिशतक

Unit - 3

शब्दरूप

October-2024

Unit - 3

ध्यातुरूप

Unit - 4

अन्त्य सन्धि

November-2024

Unit - 4

हल् सन्धि व विसर्ग सन्धि
कण्ठस्थ श्लोक

Unit - 5

लघुतरात्क ५२०


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder kumar Subject Sanskrit
Paper Drama Class & Section B. A. 1st sem

August-2024

Unit - I

संस्कृतवागव्यवहार साहस्री

September-2024

Unit - 2

रामायण (बालकाण्ड)

October-2024

Unit - 3

व्यकरण (तद्धित प्रत्यय, विजन्तव सेवन्त रूप)

रामायण

November-2024

Unit - 4

काण्ड

Dr. Joginder kumar

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder Kumar Subject Sanskrit
Paper Literature - I Class & Section B.A. 6th Sem

August-2024

Unit -

संस्कृतवाक्यकारसाहस्री

Unit-2

अभिज्ञानशाकुन्तलम् (1-2 अंक)

Unit-2

September-2024

अभिज्ञानशाकुन्तलम् (3-4 अंक)

Unit-3

संस्कृत साहित्य का इतिहास (सौंदर्य, वाक्य साहित्य)

Unit-3

October-2024

संस्कृत साहित्य का इतिहास
कारणक, उपनिषद् व वेदांग साहित्य

Unit-4

November-2024

स्त्री प्रलय प्रकरण


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Ashwani Kumar Subject History
Paper History of Haryana Class & Section 5th sem

August-2024 Unit I Sources, Stone Age in Haryana

Harappan Civilization in Haryana
Vedic Culture and Epic Age (Mahabharat)
Republic state: Vaidhyas and Agras
Pushybhuti and Tomars

September-2024 Unit II

(Battles of Taxila and their impact)
(Battle of Panipat (I, II, III) and their impact)
Revolt of Satnamis Sikh Influence Banda Bahadur

October-2024 Unit III George Thomas and East India Company

First war of independence and Haryana (1857)
Religious Movements Arya Samaj, Satguru Dharm
Unionist Party National Movement 1885 to 1947
Pargamandal Movement

November-2024 Unit IV All India

Main Centre of Harappan Civilization
Haryana at the time of Harshavardhan
Major Centres of 1857 Revolt in Haryana
Main Centres of Freedom Struggle in Haryana
Urban Centres during Medieval Period (1200 to 1750 AD)

Signature of Teacher

Lesson Plan

Name of the Teacher... Sunil.....

Paper... Yoga Science.....

Section.....

Subject... Physical Education.....

Class... B.A. Vth Sem.....

Session2024-25)

July-2024

August-2024

- Unit I
- (i) Brief history of yoga in India.
 - (ii) Meaning definition and types of yoga
 - (iii) Ashtang yoga and its steps.
 - (iv) Aim objectives and importance of yoga.

September-2024

- Unit II
- (i) Meaning definition and types of Asanas.
 - (ii) Methods and benefits of Asanas. Sukhasana, Padmasana, Siddhasana and Vajrasana.
 - (iii) Sarvangasana, Halasana, Paschimottasana, Bhujangasana.
 - (iv) Surya Namaskar, Chakrasana, and Mayurasana.

October-2024

- Unit III
- (i) Neti Sutra Neti and Jalneti
 - (ii) Bhauti Jal Bhauti, Vastra Bhauti, Dand Bhauti.
 - (iii) Basti Sushak Basti, Uket Basti
 - (iv) Kapal Bhati and Tarantak.

November-2024

- Unit IV
- (i) Introduction, meaning, Benefits, methods, Anulom Vilom, Hinds.

Signature of the Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Sunita Subject Geography
Paper Creamorphology Class & Section B.A. 5th Sem.

August-2024 Unit - 1

Nature and scope of Creamorphology:
Fundamental Concepts, Plate Tectonics Theory
of Isostasy: Pratt and Airy.
Geological Time Scale.

September-2024 Unit - 2

The Earth's Interior: Endogenetic
Forces Folds And Faults.
Volcano and Earthquake

October-2024 Unit - 3

Exogenic Forces: Weathering and Mass
wasting. Erosional and Depositional
landform. Aeolian and Glacial.
Cycle of Erosion: Davis and Penck.

November-2024 - Unit - 4

Application of Creamorphology: Natural
Hazards, Hydrology, Engineering
Geology. Construction Activities and
Regional Planning.

Sunita
33/8/24
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject Statistical Physics
Paper PHY 502A - Statistical Physics Class & Section B.Sc V Sem
3rd yr.

August-2024

Probability, Phase space, Concept of
Ensembles, Permutation and Combinations
Entropy and Thermodynamic probability.

September-2024

Postulates of Statistical Physics; Phase
Space, Maxwell Boltzmann Distribution
Thermodynamic properties of ideal gas,
Class entropy expression.

October-2024

Bose Einstein statistics, Thermodynamic
properties of Completely Degenerate Bose
Gas, Bose Einstein Condensation, photon
gas, Planck's Radiation law.

November-2024

Fermi-Dirac statistics, Thermodynamic
properties of Completely Degenerate Fermi gas
Fermi energy & Comparison of three
statistics M-B, B-E and F-D

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher SUNITA Subject Geography
Paper Remote Sensing & GIS (Practical) Class & Section B.A 5th.

August-2024

Unit - 1.

Remote Sensing - Working Principles.
Basic Characteristics and Interpretation
of Aerial Photographs.

September-2024

Unit - 1.

* Identification and Interpretation
of Various Features on Satellite
images.

October-2024

Unit - II

GIS - Georeferencing Digitization, Layout
map, Map Making and Choropleth
Maps.

November-2024

Unit - II

Mapping with GPS (Global Positioning
System) and Total station (TS).

Sunita
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder kumar Subject Sanskrit
Paper Literature - I Class & Section B.A. 5th sem

August-2024

Unit -

संस्कृत वाक्य प्रकार साहस्री

Unit-2

अभिज्ञान शाकुन्तलम् (1-2 अंक)

Unit-2

September-2024

अभिज्ञान शाकुन्तलम् (3-4 अंक)

Unit-3

संस्कृत साहित्य का इतिहास (संक्षेप, व्याख्यान साहित्य)

October-2024

Unit-3

संस्कृत साहित्य का इतिहास

आरम्भक, उपनिषद् व वेदांग साहित्य

November-2024

Unit-4

स्त्री प्रणय प्रकरण



Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sonender Sharma Subject Eng Disb
Paper _____ Class & Section B.A. 5th Sem
Section B

August-2024 Unit I Building Blocks
2. Verbs 3. Adjectives
4. Adverb 5. Preposition
6. Spotting Errors

September-2024 Unit II
1. Synonyms 2. Antonyms
3. One Word Substitution 4. Idioms and Phrases
5. Phrasal Verbs 6. Idiomatic Use of Verbs 7. Homonyms

October-2024 Unit II Test of Spelling
Unit III 1. Rearrangement of Jumbled Words
2. Jumbled Sentences
3. Word Pairs
4. Sentence Completion

November-2024 Unit IV
1. Comprehension
2. Cloze Test

Sonender
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelam Subject Political Science
Paper Indian Political Thought Class & Section B.A.-IIIrd
(Opt. II) Sem Vth

August-2024

Unit 1st

Ancient Political Thought : Sources and Characteristics.

Political Thoughts : Shanti Parva, Dharma-shastra and Arthashastra Traditions.

September-2024

Unit IInd

Political Thoughts of Raja Ram Mohan Roy and Vivekananda.

October-2024

Unit IIIrd

Political Thought of Dr. B.R. Ambedkar and Mahatma Gandhi.

November-2024

Unit IVth

Political Thought of Deen Dayal Upadhyaya and Jai Prakash Narayan.

Dr. Neelam
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Asha Subject Psychology
Paper Developmental Psychology Class & Section B.A. Vth Sem
Code - 20UPSY503

August-2024

- Human Development: concept and Principles
- Factors in Human Development: Biological, Social and Cultural
- Emotional Maturity Scale

September-2024

- Prenatal Development, Determinants & stages
- Infancy: Characteristics, Hazards and Adjustment
- Self concept, Youth Problem Inventory, Test I

October-2024

- Childhood: Characteristics, Perceptual, Motor, Emotional, cognitive Development
- Adolescents: Characteristics and Problem of Adolescents & adjustment
- Self Esteem Inventory, study of values

November-2024

- Adulthood: Early Adulthood, Aging: Physical conditions, Personal Relationships, Financial and Emotional Problems, Death anxiety.
- Revision of complete syllabus, Class Test II and Assignment

Asha
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Ashwani Kumar Subject History
Paper History of India (1206 to 1707) Class & Section 3rd sem

August-2024 Unit - I Foundation and Consolidation of the Delhi Sultanate
Qata system
Military, administration and economic reforms under Khilji and Tughlaqs.

September-2024 Unit - II (Bhakti and Sufi Movements)
Provincial Kingdoms
Emergence of Mughal state
Resistance of local power during sultanate and Mughal period.

October-2024 Unit - III
Akbar to Aurangzeb: administration structure, Mansabdari and Jagirs.
State and Religion, Economy, Socio-religious Movement.
Emergence of Maratha powers

November-2024 Unit IV Delhi Maps
Extent of Delhi Sultanate under Alauddin Khilji
Urban Centres during Sultanate
Political Condition on the eve of Babar Invasion
India Under Akbar (1605mp)


Signature of Teacher

Lesson Plan

Name of the Teacher.....Sunil.....
Paper.....Psycho-physiological basis of
Section.....Phy. edu

Subject.....Physical Education
Class.....B. A. Third Sem
Session2024-25

July-2024

August-2024

Unit I

- (i) Psychology. Meaning. definition and importance of sports Psy.
- (ii) Learning. Meaning, laws and Transfer of Learning.
- (iii) Motivation Meaning definition types and Methods of motivation.
- (iv) Individual differences Types and Causes.

September-2024

Unit II

- (i) Meaning definition and importance of anatomy and Physiology.
- (ii) Circulatory system and effects of exercise on Circulatory sys.
- (iii) Respiratory system and effects of exercise on respiratory sys.
- (iv) Bones, types and functions of bones.

October-2024

Unit III

- (i) Meaning and types of Good Posture.
- (ii) Causes of Poor posture.
- (iii) Common postural deformities prevention and Remedial Measures.
- (iv) Importance of good posture.

November-2024

Unit IV

Tournament / Competition
meaning, types, Knock out, League.

Sunil
Signature of the Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Sunita Subject _____
Paper Environmental Science Class & Section B. Com 3rd Sem.

August-2024 Unit - (1-2)

The Multidisciplinary Nature of Environmental Studies.

Natural Resources :- Renewable Non Renewable

September-2024 Unit - 3, 4th

- Ecosystem

- Biodiversity and its Conservation

October-2024 5th, 6th

Environmental Degradation (Pollution)

- Social Issue and the Environment

November-2024 Unit - 7-8

Human Population and the Environment

→ Field Work.

Sunita
23/8/24
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Manju

Subject Data Communication & Networking

Paper 22 BCA - 303

Class & Section BCA-2nd sem - 2nd den.

August-2024

Introduction to Computer Communication Networking,
Network topologies, Network Software, Protocols, OSI Reference
Model, TCP/IP reference model.

⇒ Test :- Assignment & PPT

September-2024

Analog and Digital Communication Concepts. Modulation
Techniques, Guided and wireless Transmission Media
⇒ Test :- Assignment

October-2024

Data Link Layer :- flow Control, Error Control
Protocols, Token Passing protocol, Network Interface
Card, Switches, Routers, Gateways, hardware
Components.

⇒ Test :- Assignment.

November-2024

Network layer and Routing Concepts :- Virtual
Concepts and diagrams, Encryption methods,
public-key algorithms.

⇒ Test :- Assignment & PPT

Manju
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sponender Sharma Subject English
Paper _____ Class & Section B.A. 3rd Sem
Section B

August-2024 Unit I Story no. 01 'The Model Millionaire'
Story no. 02 'A Cup of Tea'
Story no. 03 'The Mother'
Story no. 04 'The Gift of Magi'

September-2024 Unit II
Poem no. 01 'All the World's a Stage'
Poem no. 02 'Mending Wall'
Poem no. 03 'La Bella Donna Cant Merri'
Poem no. 04 'Refugee Mother and Child'

October-2024 Unit III
Grammar and Vocabulary
Editing of Paragraphs
Correction of Selected Sections
Antonyms and Synonyms

November-2024 Unit IV
Important Poetic Forms and Devices and
their uses
Revision of the syllabus

Sponender
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Neelam Subject Political Science
Paper Comparative Government and Politics. Class & Section B.A. IInd Sem. 3rd.

August-2024

Unit I - Comparative Political Analysis : Meaning, Nature, Scope and Methods.

Comparing Regimes : Authoritarian and Democratic.

September-2024

Unit II -

Classification of Political System : Parliamentary and Presidential : UK and USA.

Federal and Unitary : Canada and China.

October-2024

Unit III - Electoral Systems : First Past the Post, Proportional Representation and Mixed Systems
Party systems : One Party, Two Party and Multi Party Systems.

November-2024

Unit IV -

Contemporary Debates on the Nature of State : From State Centric to Human Centric Security, Changing Nature of Nation State in the context of Globalization.

Neelam
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Renu Sharma Subject Geography
Paper Physical Geography Class & Section 2nd Year (3rd sem)

August-2024 General Introduction to Physical Geog.
Definition, Nature & Scope of Physical Geog
Geological Time Scale & Rocks
Earth Movements : Orogenic & Epeirogenic
Class test of the syllabus done
Assignment - I

September-2024

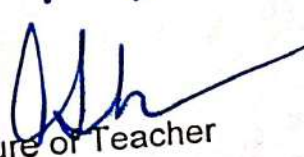
Fundamental Concepts of Geomorphology, Earthquakes
& Volcanoes, Weathering & Mass Wasting
Process & Landforms of Wind & Running Water. Class

October-2024

Weather & Climate, Origin, Composition & Structure of
Atmosphere. Monsoon, Jet Stream, El-Nino,
La-Nino Phenomena. Assignment - II
Class test of Unit - III

November-2024

Configuration of Ocean floors & Surface
Relief of Pacific, Atlantic & Indian Ocean
Temperature & Salinity of Oceans, Tides, W
& Ocean Currents. Circulation in Pacific At
& Indian Ocean. Class test of Hydrosp
& Revision of entire syllabus.


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka

Subject Database Management Sysk

Paper 22 BCA 302

Class & Section BCA - 2nd, 3rd sem.

August-2024

DBMS - Data, Record, File, Information
File, Data base Environment, Data base
Administrator, Database Designers, Applications
Developer & Users $\rightarrow$ Test
1 PPT & 1 Assignment

September-2024

Database System Architecture :- Three levels
Schemas, Mapping, Data Independence
Data Models $\Rightarrow$ Test & Assignments

October-2024

Entity-Relationship Model :- Entity, Attributes
Relationship, ER-Diagram. Models, Keys
Domains, Integrity Constraints over Relations
& One PPT, 1 Assignment ; 1 Test

November-2024

Relational Algebra :- Functional, Modification
1st to 3rd NF, BCNF, 4th & 5th NFs
SQL :- Insert, Delete, Update, View, Query
Processing, security, concurrency & Recovery.
Lab :- SQL & 1 Test

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject Data Structures & Lab
Paper 22 BCA301, 304 Class & Section BCA - 2nd year 3rd sem

August-2024

Data structures :- Data Type, String, Static & Dynamic
Array, matrices, operation on array

Linked List :- List Type, Operations & Application.

→ Test & PPT - 20 Numbers.

Lab :- Program on String, Array, Linklist, Data
September-2024

STACK :- Implementation, Linked, Application, Infix,
Postfix expression
QUEUES :- Implementation, Application
Circular queue, Double-ended queue. LAB :- STACK & Queue
→ 1 Test Program

October-2024

Trees :- (Binary, Static) + Algo., AVL Tree, Multi-way
search tree. → Test

Graph :- Array, BFS, DFS, Adjacency Matrix

Path Matrix, Finding shortest Path.

Warshall Algorithm LAB :- Prog. Tree, Graph,
Matrix.
November-2024

Searching & Sorting complete with Algorithm.

Lab :- Selection sort, Bubble sort, Quick Sort

Heap sort & Graph, Binary search, Linear search

Programs. Test & PPT → (2)

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Prinyanka Subject Physics
Paper Optics - 25PHY4302 Class & Section B.Sc IIIrd sem
Physics -
B.Sc IIIrd sem

August-2024

Wave Optics → Electromagnetic nature
of light, Definition and properties of wave
front, Huygen Principle, Michelson, inter
ferometer, fringes formation, Newton
Ring

September-2024

Fraunhofer Diffraction : → Fraunhofer Assum
ptions, Fraunhofer Half period zones, Theory
of zone plate, Fraunhofer diffraction,
a slit and a wire.

October-2024

Fraunhofer Diffraction : - Single slit,
Double slit and Multiple slits, various
kinds of diffraction grating and
Resolving power of grating.

November-2024

Polarization : → Double Refraction, Plane
Polarized light, optical fibres, Half
and full wave plates

Prinyanka

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. SARITA SAINI Subject Mathematical
Paper Mathematical Foundation of Class & Section B.C.A. (3rd Sem)
Computing & Analysis

August-2024

UNIT 1 :- Sets :- Sets, Subsets, Equal sets, Universal sets, Finite and infinite sets. Operation on sets, Union, Intersection and Complements of sets, Cartesian product, Cardinality set
Relation and Function :- Properties of relations, Equivalence relation, Range and domain, onto, into & one-to-one function.

September-2024

UNIT 2 :- Propositional logic, basic logic, logical connectives, truth table, logical implication, logical equivalence, Predicate Calculus - Predicates and quantifiers, Mathematical Induction, Matrices, addition, subtraction, Determinants, Application of determinants in finding area

October-2024

UNIT 3 :- Graph - Definition, walks, paths, trails, Connected graph, regular and bipartite graphs, Cycles, spanning tree, centroidal graph, Centres of trees, Hamiltonian & Eulerian Graph, planar graph. and (class Test)

November-2024

UNIT 4 :- Prob. and distⁿ, probability space, Conditional probability, Independence, Discrete random variable, Continuous u.v. Poisson distⁿ, binomial distⁿ, infinite seq. of Bernoulli trials, Moments, Variance of a sum, Correlation Coefficient, Chebyshev's Inequality.

(Class Test)


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Shaili Sharma Subject Psychology
Paper Psychological Disorders 20UPSY30 Class & Section IIIrd Sem

August-2024

- Basic Concepts of Psychological Disorders -
- Definition and Criteria of abnormality
- Classification: Meaning Purpose, Introduction to DSM (TR)
- Key features of DSM (TR), Diathesis Stress Models

Practical - PGIMS

September-2024

- Approaches to Psychopathology - Biological
- Approaches to Psychopathology - Psychodynamic, Cognitive & Cultural
- Clinical States, Introduction to Anxiety Spectrum disorders
- GAD and OCD - Etiology & Symptoms, Cluster I

Practical - Anxiety Scale, CAG.

October-2024

- Mood Disorders - Unipolar & Bipolar
- Schizophrenia - Disorganized, Paranoid & Catatonic, Assignment I
- Learning Disabilities - Dyscalculia, Dysphasia, Dyslexia
- Dental Break

Practical - CAG (Contd.), Depression Inventory

November-2024

- Introduction to treatment (i) Biological & (ii) Psychological
- Pharmacotherapy & Electro Convulsive Therapy
- Psychological treatment - Psychoanalytic therapy, Behavior therapy
- Cognitive behavior therapy, Revision & Class Test II

Practical - Case History or WAT

Shaili

Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Joginder Kumar Subject Sanskrit
Paper Drama Class & Section B.A. 3rd sem

August-2024

Unit - I

संस्कृतवागव्यवहार साहस्री

September-2024

Unit - 2

रामायण (बालकाण्ड)

October-2024

Unit - 3

व्यकरण (तद्धित प्रत्यय, विजन्तव सेवन्तव्यय)

समास

November-2024

Unit - 4

अनुपाद

Prish

Signature of Teacher

Lesson plan for Business Management from Aug. 2024 to Nov. 2024 (B COM 1)

Week 1-2 (Aug 1-14): Introduction to Business Management- Topics: Definition, scope, and importance of business management, Learning objectives: Understand the concept of business management, its importance, and scope, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 3-4 (Aug 15-28): Planning and Decision Making- Topics: Types of plans, planning process, decision-making techniques, Learning objectives: Understand the planning process, types of plans, and decision-making techniques, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 5-6 (Aug 29-Sept 11): Organizing and Structuring- Topics: Types of organizational structures, departmentalization, delegation, Learning objectives: Understand different organizational structures, departmentalization, and delegation, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 7-8 (Sept 12-25): Leading and Motivating- Topics: Leadership styles, motivation theories, communication, Learning objectives: Understand leadership styles, motivation theories, and effective communication, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 9-10 (Sept 26-Oct 9): Controlling and Evaluating- Topics: Control techniques, performance evaluation, quality management, Learning objectives: Understand control techniques, performance evaluation, and quality management, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 11-12 (Oct 10-23): Business Environment and Ethics- Topics: Business environment, ethics, social responsibility, Learning objectives: Understand the business environment, ethics, and social responsibility, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 13-18 (Oct -Nov 2024): Strategic Management- Topics: Strategic planning, SWOT analysis, competitive advantage, Learning objectives: Understand strategic planning, SWOT analysis, and competitive advantage, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 19 (Nov 2024): Review and Revision- Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment: Assignments

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22/11/24

Teaching plan Advertising & Sales Management from August 2024 to November 2024 (B COM 3)

Week 1-2 (Aug 1-14): Introduction to Advertising- Topics: Definition, scope, and importance of advertising, Learning objectives: Understand the concept of advertising, its importance, and scope, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 3-4 (Aug 15-28): Advertising Media- Topics: Types of advertising media, selection, and planning, Learning objectives: Understand different advertising media, selection, and planning, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 5-6 (Aug 29-Sep 11): Advertising Creativity- Topics: Creative strategies, copywriting, and visual elements, Learning objectives: Understand creative strategies, copywriting, and visual elements, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 7-8 (Sep 12-25): Sales Management- Topics: Definition, scope, and importance of sales management, Learning objectives: Understand the concept of sales management, its importance, and scope, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 9-10 (Sep 26-Oct 9): Sales Strategies- Topics: Types of sales strategies, planning, and execution, Learning objectives: Understand different sales strategies, planning, and execution, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 11-12 (Oct 10-23): Sales Force Management- Topics: Recruitment, training, motivation, and evaluation of sales force, Learning objectives: Understand sales force management, recruitment, training, motivation, and evaluation, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 13-14 (Oct 24-Nov 6): Advertising and Sales Promotion- Topics: Types of sales promotion, planning, and execution, Learning objectives: Understand sales promotion, planning, and execution, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 15-17 (Nov 2024): Review and Revision- Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment: Assignments

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22/7/24

Lesson plan Cost Accounting (B Com 3) from August 2024 to November 2024:

Week 1-2 (Aug 1-14): Introduction to Cost Accounting- Topics: Definition, scope, and importance of cost accounting, Learning objectives: Understand the concept of cost accounting, its importance, and scope, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 3-4 (Aug 15-28): Elements of Cost- Topics: Direct materials, direct labor, direct expenses, overheads, Learning objectives: Understand the elements of cost, classification, and calculation, Teaching methods: Lecture, group discussion, problem-solving, Assessment: Assignment, quiz

Week 5-6 (Aug 29-Sep 11): Cost Centre- Topics: Definition, types, and importance of cost centers, Learning objectives: Understand the concept of cost centers, classification, and allocation, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 7-8 (Sep 12-25): Material Costing- Topics: Material costing methods, calculation, and valuation, Learning objectives: Understand material costing methods, calculation, and valuation, Teaching methods: Lecture, group discussion, problem-solving, Assessment: Assignment, quiz

Week 9-10 (Sep 26-Oct 9): Labour Costing- Topics: Labour costing methods, calculation, and valuation, Learning objectives: Understand labour costing methods, calculation, and valuation, Teaching methods: Lecture, group discussion, problem-solving, Assessment: Assignment, quiz

Week 11-12 (Oct 10-23): Overheads- Topics: Definition, classification, and absorption of overheads, Learning objectives: Understand overheads, classification, and absorption methods, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 13-14 (Oct 24-Nov 6): Machine Hour Rate- Topics: Calculation, application, and importance of machine hour rate, Learning objectives: Understand machine hour rate calculation, application, and importance, Teaching methods: Lecture, group discussion, problem-solving, Assessment: Assignment, quiz

Week 15-17 (Nov 2024): Review and Revision- Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment Assignments

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22/2/24

Teaching plan for Business Regulatory Framework (August 2024 to November 2024)

Week 1-2 (Aug 1-14): Introduction to Business Regulatory Framework

- Topics: Definition, scope, and importance of business regulatory framework, Learning objectives: Understand the concept of business regulatory framework, its importance, and scope, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 3-4 (Aug 15-28): Indian Contract Act, 1872

-Topics: Definition, types, and elements of a contract, Learning objectives: Understand the Indian Contract Act, definition, types, and elements of a contract, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 5-6 (Aug 29-Sep 11): Sale of Goods Act, 1930

Topics: Definition, types, and elements of sale of goods, Learning objectives: Understand the Sale of Goods Act, definition, types, and elements of sale of goods, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 7-8 (Sep 12-25): Partnership Act, 1932

-Topics: Definition, types, and elements of partnership, Learning objectives: Understand the Partnership Act, definition, types, and elements of partnership, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 9-10 (Sep 26-Oct 9): Companies Act, 2013

-Topics: Definition, types, and elements of companies, Learning objectives: Understand the Companies Act, definition, types, and elements of companies, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 11-12 (Oct 10-23): RTI ACT

-Topics: Definition, types, and importance of RTI ACT, Learning objectives: Understand RTI ACT, definition, types, and importance, Procedure under RTI ACT, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 13-14 (Oct 24-Nov 6): Consumer Protection Act, 1986

- Topics: Definition, types, and elements of consumer protection, Learning objectives: Understand the Consumer Protection Act, definition, types, and elements of consumer protection, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 15 (Nov 7- Nov 30): Review and Revision-

Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment.

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22/11/24

Lesson Plan Human Resource Management from Aug 2024 to Nov 2024: (B Com 2)

Week 1-2 (Aug 1-14): Introduction to HRM- Topics: Definition, importance, and functions of HRM, Learning objectives: Understand the concept of HRM, its importance, and functions, Teaching methods: Lecture, discussion, case study, Assessment: Quiz, class participation

Week 3-4 (Aug 15-28): Recruitment and Selection- Topics: Recruitment sources, selection methods, and interviewing techniques, Learning objectives: Understand recruitment and selection processes, Teaching methods: Lecture, group discussion, role-play, Assessment: Assignment, quiz

Week 5-6 (Aug 29-Sept 12): Training and Development- Topics: Types of training, training needs assessment, and evaluation, Learning objectives: Understand training and development processes, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 7-8 (Sept 13-26): Performance Management- Topics: Performance appraisal methods, feedback, and counselling, Learning objectives: Understand performance management processes, Teaching methods: Lecture, group discussion, role-play, Assessment: Assignment, quiz

Week 9-10 (Sept 27-Oct 9): Compensation and Benefits- Topics: Types of compensation, benefits, and salary administration, Learning objectives: Understand compensation and benefits processes, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 11-12 (Oct 10-23): Employee Relations- Topics: Industrial relations, collective bargaining, and conflict resolution, Learning objectives: Understand employee relations processes, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 13-14 (Oct 24-Nov 7): HRM in Practice- Topics: Case studies of HRM in different organizations, Learning objectives: Apply HRM concepts to real-life scenarios, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 15-16 (Nov 8-21): Review and Revision- Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment: Mid-term exam

Week 17 (Nov 22-30): Strategic HRM- Topics: HRM and organizational strategy, HR scorecard, Learning objectives: Understand strategic HRM concepts, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 17 (Nov 22-30): International HRM- Topics: Global HRM, cultural differences, and expatriate management, Learning objectives: Understand international HRM concepts, Teaching methods: Lecture, group discussion, case study, Assessment: Assignment, quiz

Week 18 (Dec 01-08): Review and Revision- Topics: Review of all topics covered, Learning objectives: Revise and reinforce understanding of all topics, Teaching methods: Lecture, group discussion, case study, Assessment: Assignments

K. S. Kulkarni
22/07/24

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher PUSHPAK DUTTA SHARMA Subject Mathematics
Paper Analytical Number Theory Class & Section M.Sc. 3rd sem.

August-2024

Distribution of Primes, Fermat's and Mersenne Numbers, Fakey series and some results concerning Fakey Series, Hurwitz's theorem, Irrationality of e and π .

September-2024

Diophantine equation $ax+by=c$. The representation of number by two or four squares, Four square theorem, Chinese Remainder Theorem, Extension of Chinese Remainder Theorem.

October-2024

Quadratic Residues and Non-Residues, Legendre's symbol, Gauss Lemma And Its Application, Quadratic Law of Reciprocity, Jacobi's symbol, power-residues.

November-2024

Primitive roots and their existence. Arithmetic functions, Definition and examples and simple properties of Arithmetic functions. The Mobius Function.


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sumish Subject Hindi
Paper कक्षेत्र गद्य विद्याएं Class & Section M.H. II

August-2024

गद्य के निर्माण में फोर्ट विनियम कोलेज
गद्य का उद्भव और विकास, भारतेन्दु पूर्व गद्यकों का
योगदान, भारतेन्दु मठल की हिंदी को देन, प्राच्यनिक
युग के कक्षेत्र विद्याओं का विकास और महत्व
गद्य के विकास में विवेकी युग का योगदान

September-2024

हिंदी निबन्ध एवं ललित निबन्ध, गद्य की
विद्याएं परम्परा का लैंगिक अध्ययन एवं,

October-2024

शिवशम्भु के पिछे कविता क्या है)
नायबून क्यों बहते हैं, मजदूरों की प्रेम

November-2024

छोटा (देखाचित्त) हावरा मसीहा (गीत)
मरी निबन्ध योजना, माटी की मूरतें


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. Sunesh Subject Hindi
Class & Section M.A II
Paper भारतीय काव्य शास्त्र

August-2024

काव्य की परिभाषा एवं स्वरूप
काव्य का लक्षण, काव्य है न, काव्य के अंग, प्रयोजन
काव्य की आत्मा, दोष
संस्कृत काव्य शास्त्र के विभिन्न सम्प्रदाय

September-2024

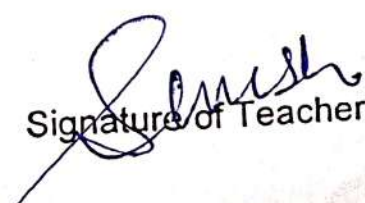
रस विद्यान्त, रस निष्पत्ति सिद्धान्त, रस के अन्वय साधारणिक्य
कालिकाट्ट सिद्धान्त, अवधारणा स्वरूप और विकास
अलंकार के अंग

October-2024

शैली विद्यान्त, अवधारणा स्वरूप और विकास
शैली के अंग
स्वीन सिद्धान्त, अवधारणा स्वरूप और विकास
स्वीन के अंग

November-2024

वैकल्पिक सिद्धान्त, अवधारणा स्वरूप और विकास
वैकल्पिक के अंग
कौचिल्य सिद्धान्त, अवधारणा स्वरूप और विकास
कौचिल्य के अंग


Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Dr. SARITA SAINI Subject Mathematics

Paper (i) Discrete Mathematics Class & Section M.Sc. 3rd Sem.

(ii) Mechanics of Solid - I

(iii) MATLAB Programming & Computing Lab - III.

UNIT-I August-2024

(i) Discrete Mathematics :- Graph Theory, Walk, Path and Circuits, Eulerian Path & Circuit, Hamiltonian, Isomorphism of graphs, coloring of Graph.

(ii) Mechanics of Solid I :- Cartesian tensors :- of different order, Properties of tensors, Symmetric and skew Symmetric tensors, Isotropic Eigen Values and eigen Vectors of a second order tensor.

(iii) MATLAB Programming :- Introduction, Feature, window, Command window, Workspace, working with MATLAB User, character and string.

September-2024 (i) Discrete Mathematics :- Directed Graph, Tree, cut sets, Tree Searching

UNIT-2 (ii) Mechanics of Solid I :- Analysis of Stress :- Stress tensor, Symmetry of stress tensor, Maximum normal and shear stress, Mohr's circle, Example of stress.

MATLAB Programming :- Arrays and vectors: Column vectors, Row vectors, Matrix operation, finding transpose, determinant and Inverse, Solving Polynomial equations. Formal logic - statement

UNIT-3 October-2024 (i) Discrete Mathematics :- Symbolic Representation and Predicate & Validity, Propositional logic - degeneration lattices, Atoms and minterms.

(ii) Mechanics of Solid I :- Analysis of strain, circular infinitesimal deformation, Saint-Venant's equation of compatibility. Finite deformation.

MATLAB Programming :- loops and conditional statements, Plotting, Specifying line styles and Colours, multiple plots in one figure.

UNIT-4 November-2024 (i) Discrete Mathematics :- Boolean Algebra, Boolean Identities, the Switching Algebra, Boolean form of sum of products, Canonical form, The Karnaugh Map method.

(ii) Mechanics of Solid I :- Equations of Elasticity :- Hooke's law and its generalization, Hooke's law in media with one plane of symmetry, orthotropic and transversely isotropic media, elastostatic theorem, Saint Venant's principle. (Statement only).

MATLAB Programming :- Functions ! Writing user defined function built in function calling, types of function, MATLAB programming, Calculus, Numerical Integration and differentiation, Linear algebra.

Signature of Teacher

Sarita Saini
28/08/2024

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject 3rd M.Sc Physics
Paper Electronics Devices and Ckts - II Class & Section M.Sc Physics III Sem.
22PHY-304C

August-2024 → Introduction and Number system (-)

Digital Signals, Properties of digital signal, No: System.
Types of No: system (Binary, Octal, Decimal, hexadecimal)
Conversion b/w diff No: system, Binary arithmetic, signed.
Magnitude, Numbers, Complement of No: system, BCD
weighted and unweighted codes, Binary to gray and gray to
September-2024 binary conversion, logic system.

Logic Gates and Boolean Algebra →
CDC logic system AND-OR-Invert, OR-AND-Invert, Design
logic gates using logic families (RTL, DTL, TTL, MOS
ECL) Boolean Algebra: - Boolean laws and theorems, SOP
and POS expressions, minterm, Maxterm, SOP and POS form
October-2024 expressions.

Combinational Ckts: → K-map upto four
variable system, Half adder, full adder, Half Substr
actor, Full Subtractor, Multiplexer, Demultiplexer,
Encoder, Decoder, Comparator, Parity Checker
and Generator.

November-2024

Sequential Ckts: - Flip Flops (FF): R,S latch
Clocked R,S Flip flop, J-k flip-flop, Race around
condition in J-k flip-flop, T-ff, D-ff, Characteristic
eqn for flip-flops, Types of Counter: -
asynchronous, Synchronous, reduction of
states of a Counter by using preset/clear

Priyanka
Signature of Teacher

Subject Lesson Plan August-2024 to November-2024

Name of the Teacher Priyanka Subject Sem-3rd. M.Sc Physics.
Paper Atomic and Molecular Physics Class & Section M.Sc Physics
22PHY-301

August-2024

Atomic Physics:- Physical interpretation of Quantum number, Pauli Principle, Terms for equivalent and non-equivalent electron, Space Quantisation, Stern-Gerlach experiment, Normal and anomalous Zeeman effect, Stark effect, Paschen-Back, Spectrum of H α atom, spectra of alkali metals, General selection Rule.

September-2024

Molecular Physics:- Types of molecular energy states and molecular spectra, Diatomic Molecules and their Rotational Spectra: Diatomic linear symmetric top, Asymmetric, energy level spectrum, Morse potential, Energy curve, Vibrating Rotator, PQR branch

October-2024

Vibrational spectra of Diatomic Molecules (Born Oppenheimer approximation, vibrational Coarse structure of electronic bands, Progression and Sequences, vibrational energy of Diatomic molecule, molecule as vibrating rotator, vibration spectrum energy levels and spectra of Non-Rigid Rotor, intensity

November-2024

Electronic Spectra of diatomic Molecules and Fluorescence. Salient features of electronic spectra, formation of electronic spectra, intensity of electronic bands in absorption and emission, Franck-Condon principle and Condon parabola. Dissociation and pre-dissociation, Phosphorescence and their mechanism, Kasha's Rule

Signature of Teacher

Priyanka
Deptt of physics