

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Neelam Subject Political Science

Paper B.A. 1st sem - Indian Government and Politics Class & Section B.A. I, II, IIIrd year
B.A. 3rd sem - Comparative Government and Politics
B.A. 5th sem - Indian Political Thought

August-2023

B.A. 1st sem. - Unit Ist - Indian Constitution
B.A. 3rd sem. - Comparative Political Analysis, Comparing Regimes. (Unit Ist)
B.A. 5th sem. - Unit Ist - Ancient Indian Political Thought.

September-2023

B.A. 1st sem. Unit IInd Institutional structure and functioning
B.A. 3rd sem. Unit IInd Classification of Political Systems.
B.A. 5th sem. Unit IInd Political Thoughts of Raja Ram Mohan Roy and Vivekanand

October-2023

B.A. 1st sem. Unit IIIrd - Role of caste, class etc., Electoral Politics in India and Party system
B.A. 3rd sem. Unit IIIrd - Electoral Systems, Party systems.
B.A. 5th sem. Unit IIIrd - Political Thought of Dr. B.A. Ambedkar and Mahatma Gandhi

November-2023

B.A. 1st sem. Unit IVth Social Movement in India
B.A. 3rd sem. Unit IVth Contemporary Debates on the Nature of state, changing Nature of state.
B.A. 5th sem. Unit IVth Political Thought of Deen Dayal Upadhyaya and J.P. Narayan.

December-2023

B.A. 1st sem. Revision

B.A. 3rd sem. Revision

B.A. 5th sem. Revision

Dr. Neelam
Signature of Teacher
Dr. Neelam
Asso. Prof. of
Political Science.

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher DR GREETIKA SHARMA Subject Mathematics

Paper Algebra

Class & Section

BA/BSc-Sem-I.

BA/BSc-I (Sem-I).

August-2023

Class-Test-I Unit-I of Algebra. Completed

Assg.-I. Topics Matrices, Linear dependence & independence

of rows & columns. Eigenvectors, Characteristic eq. Cayley-Hamilton Th^m

September-2023

Unit-I of Calculus

(Algebra)

Class-Test-II Unit-II: System of Linear eq's. Consistency of a

three systems. Unitary and Orthogonal Matrices.

Assg.-II Diagonalization of a matrix, Bilinear & Quadratic Forms.

Unit-II of Calculus

October-2023

(Algebra) Unit-III: Relation B/w the roots & coeff. of Gen. Poly. eqⁿ in one variable.

Solⁿ of Pol. eqⁿ with given condⁿ on roots. Common roots, multiple

roots.

Unit-III of Calculus

Class-Test-I, Assg.-I

November-2023

(Algebra) Unit-IV Nature of the roots of an eqⁿ. Descartes's rule

of sign.

Unit-IV of Calculus.

December-2023

Unit-V Solⁿ of cubic eqⁿ (Cardan's Method), Biquadratic eqⁿ

& solⁿ.

Class Test-II - Assg.-II

Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Joginder kumar Subject Sanskrit

Paper Poetry Class & Section B, A. Ist sem

August-2023

यूनिट-1 संस्कृतवाक्यवहारसाहस्री

September-2023

यूनिट-2 हितोपदेश

मित्रलाभ - कथामुख - काक - भृगु

October-2023

यूनिट-2 हितोपदेश

मित्रलाभ - धर्म - भूमिका नव

November-2023

यूनिट-3 व प

शब्द रूप, धातु रूप व सन्धि

December-2023

दोहराई



Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Ashwani Kumar Subject History

Paper History of India (Earliest time to 300 BC) Class & Section BA Ist sem all section

August-2023

Unit-I

A Broad Survey of stone age

Map - Harappan Civilization (Unit-IV)

September-2023

Unit I Harappan Civilization

The Vedic Period

Map. Ashoka's Empire, Kushana Empire

Important Trade routes and ports of Ancient India (Unit-IV)

October-2023

Unit-II

Territorial states and rise of Magadha

Mahajaniapadas and Causes of Magdha's Success

Alexander's Invasion and Impact

Jainism and Buddhism

November-2023

Unit-III Emergence of Mauryan Empire

Sung dynasty, The Satvahana Phase, Sangam Age

The Age of Shakas

December-2023

Unit-IV Maps Revision

Ashwani 23/8/23
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Renu Sharma Subject Geography

Paper Geography of India Class & Section B.A.I (1st sem)

August-2023

Geographical Location, Physiography,
Structure & Drainage Systems.

- Class test

- Climate of India & Test of this topic.

September-2023

Soils & Natural Vegetation

- Size, Growth, Distribution, Density & Composition of
Population; Types & recent trends of Migration

October-2023

Characteristics & problems of Indian Agriculture.
Green Revolution.

Production & Distribution of Coal, Petroleum,
Hydroelectricity & Nuclear Energy.

November-2023

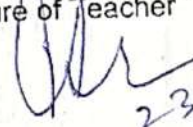
Production & distribution of Iron ore & Manganese.
Iron & Steel, Cotton Textile & Sugar Industry.

December-2023

Network of Roadways & Railways
in India

* Note Each unit completion will be followed
by class test & group discussion.

Signature of Teacher


23/8/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Geetika Sharma Subject Mathematics

Paper Differential Eq / Numerical Methods Class & Section B.A / B.Sc - Sem - II
with Programming in C.

August-2023

Unit-I (Differential Eq): Exact D.E, 1st order solvable for x, y, p .

Unit-I (NMWPC): Programmer's model, Decision control str; Decision

Class Test-I. Statements logical, cond., loop, switch statements, Switch Statement
Assignment-I September-2023 & Control structure, Array.

Unit-II (D.E): Orth. traj, Self-ortho. family of curves, Homogeneous

L.O.D.E with constant co-eff. Solⁿ by var. of parameters. Eg Reduction
to Hom. linear O.D.E - Class Test-II, Assignment-II

Unit-III: Strings: Character Data type, standard string handling.
Functions, Arithmetic operation, Str. & their use in Arrays

October-2023 Unit-III (D.E): P.D.E, Linear & Non-linear P.D.E of 1st order
(Doublet solⁿ, singular solⁿ, Lagrange's & Charpit's method)

Unit-IV (NMWPC): Solⁿ of Algebraic and Transcendental Eq, Bisection
method, Regula-Falsi method, Secant Method, Fixed Point

Iteration method.
Class Test-III, Assignment-3.

November-2023 Unit-IV: Jacobi's method Lin. P.D.E of 2nd & 3rd order,
Linear / non-linear, Hom / Non-Homogeneous with constant co-eff. Method of
Separation of variables.

(NMWPC) Unit-V & VI: N-R method, D.C, Sim. linear Algebraic & G.E method
December-2023

(NMWPC) Unit-V: Gauss Jordan Method, Iterative Method, Jacobi's method
Gauss-Seidel method, Relaxation method. Conv. of Gauss-Seidel
Method

Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Renu Sharma Subject Geography
Paper Physical Geography Class & Section B.A. II (3rd sem)

August-2023

Nature, Scope & field of Physical Geography
Geological Time Scale. & Earth Movements.
Weather & Climate. Origin, Composition &
Structure of Atmosphere. Class Test.

September-2023

Jet Stream, EL NINO & LA-NINA.
Phenomena
Fundamental Concepts of Geomorphology.
Earthquakes & Volcanoes; Weathering.
Class Test

October-2023

Mass Wasting Movements; Processes and
Landforms of wind & Running water.
Class test.

November-2023

Configuration of Ocean floor &
Surface relief of Pacific, Atlantic &
Indian Ocean. Temperature & Salinity of Ocean.
Class Test.

December-2023

Tide, Waves & Ocean Currents.
Circulation in Pacific, Atlantic & Indian
Ocean.

Class Test

Signature of Teacher

22/8/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Ashwani Kumar

Subject History

Paper History of India (1206-1707 AD)

Class & Section BA3rd sem All section

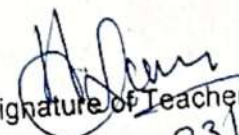
August-2023 Unit-I
Foundation Expansion and Consolidation of
Delhi Sultanate
Maps - Alauddin Khilji (Unit-IV)

September-2023 Unit-I
Foundation Expansion and Consolidation of
Delhi Sultanate
Military Administration and Economic reforms under
the Khiljis and Tughlaks. (Maps - India under Akbar Unit-IV)

October-2023 Unit-II
Bhakti and Sufi Movements
Provincial Kingdom (Maps - Urban centres of Sultanate) Unit-IV
Emergence and Consolidation of Mughal State
Resistance of Local Powers

November-2023 Unit-II Akbar to Aurangzeb
Administrative Structure, Maratha Power
Maps - Political conditions on the eve of Baber's invasion Unit-IV

December-2023
Maps - Revision


Signature of Teacher
23/8/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Joginder kumar Subject Sanskrit

Paper Drama Class & Section B. A. 3rd sem

August-2023

यूनिट-1

संस्कृतवाक्यव्यवहार साहस्री

September-2023

यूनिट-2

रामायण बाल काण्ड

October-2023

यूनिट-3

तद्धित प्रत्यय भिजन्त व सन्नत रूप
समास

November-2023

यूनिट-4

अनुवाड

December-2023

द्वहराई



Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Joginder kumar Subject Sanskrit

Paper Literature-I Class & Section Semester-V

August-2023

यूनिट-1

संस्कृतवाक्यवहारसाहस्री

September-2023

यूनिट-2

अभिज्ञानशाकुन्तलम् प्रथम व द्वितीय अंक

October-2023

अभिज्ञानशाकुन्तलम् तृतीय व चतुर्थ अंक

November-2023

यूनिट-3

संस्कृत साहित्य का इतिहास

December-2023

यूनिट-4

लघुसिद्धान्तकोमुडि स्त्री प्रत्यय व इतिहास



Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Goutam Sharma Subject Mathematics

Paper Linear Algebra & Statistical Inference Class & Section BA/B.Sc Sem-V

August-2023

Unit-I of Linear Algebra

Unit-I of Statistical Inference

Class Test-I & Assignment-I

September-2023

Unit-II of Linear Algebra (L.F)

Unit-II of Statistical Inference (S.I)

Class Test-II, Assignment-II

October-2023

Unit-II of Linear Algebra (Remaining Topics)

Unit-III of S.I.

Class Test-III, Assignment-III

November-2023

Unit-III Complete. Unit-IV of Linear Algebra

Unit-IV of S.I., Class Test-IV Assignment-IV

December-2023

Unit-IV of Linear Algebra - Remaining topics.

Class Test-IV, Assignment-IV

Tutorial classes for Revision

Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher SUNITA Subject Geography

Paper Geomorphology - 2016 Ed. 50.1 Class & Section B.A 5th Sem.
Final Year.

August-2023

(Unit - 1) - Nature and Scope of Geomorphology/
Fundamental Concepts, Plate Tectonics, Theory
of Tectonics..... + Test

September-2023

UNIT- 2 → The Earth Interior, Endogenic
Forces..... +
Class Test

October-2023

UNIT- 3 → Exogenic Forces.....
+
Class Test

November-2023

UNIT- 4 - Application of Geomorphology.....
+ Class Test

December-2023

Revision
+ Full Syllabus Test.....

Sunita
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Ashwani Kumar Subject History
Paper History of Haryana 20115501 Class & Section BA5H/cm

August-2023 Unit - I

Stone Age Culture
Maps - Harappan Civilization in Haryana (Unit I)

September-2023 Unit I Harappan Civilization in Haryana

Vedic Culture and Epic Age
Republic States, Pushybhuts & Tomars
Maps - Major Centres of 1857 Revolt in Haryana (Unit IV)

October-2023 Unit II Battles of Tarain and their impact

Battle of Panipat (I, II, III) and their impact
Revolt of Satnamis Banda Bahadur
Art and Architecture during medieval period (Sultanate, Mughal)
Maps - Haryana during (Unit II)

November-2023 Unit - III George Thomas Maps - Centre of Freedom Struggle

Haryana 1857 Religious Movement, Unionist Party
National Movement (1885-1947) Punjab Mandal Movement

December-2023

Maps Work and Revision

Signature of Teacher

23/8/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. Umesh Singh Subject Com.

Paper Financial Acc. E-Com, M/ Acc. Class & Section B-Com, I, II, III
Retail mgmt. Human Resource mgmt.

August-2023

Introductory Chapter.

September-2023

I st Unit.

October-2023

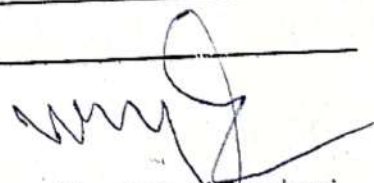
Units III rd unit.

November-2023

IV rd fourth unit.

December-2023

Revision of the syllabus.


Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher YASHPAL MEHTA Subject Economics

Paper Business Eco. Micro Eco. Macro Eco. Class & Section B.Com I, BA I, BA II & III
Indian Eco.

August-2023

B.Com I → Business Economics → Basic Problems of an Economy,
Law of Demand, Elasticity of Demand, Concepts of Supply.
BA.I → Nature & Scope of Economics, Micro & Macro Economics, Law of Demand,
Elasticity of Demand. BA.II → Introduction to Macroeconomics, Basic Concepts of
National Income, Measurement of National Income, C.S.O.
BA.III → Characteristics of Indian Eco., Eco. Planning, National Income of India.

September-2023 B.Com I → Production Function, Isoquant Curves, Theory of Costs.

B.A.I → Cardinal Utility Analysis, Indifference Curve.

BA.II → Classical & Keynesian Theory of Income and Employment, Say's Law of
Markets.

BA.III → Agriculture: Growth, Land Reforms, Marketing, Food Security, Policy.

Agriculture Finance and Price Policy.

October-2023 B.Com I → Cardinal Utility Analysis, Indifference Curve.

B.A.II → Production Function and Laws of Production, Isoquant Curves, Law of Supply.

B.A.III → Consumption Function, Investment Function, M.E.C. Working of Multiplier

Industrial Growth since Independence, Industrial Policy, Service Sector in
India.

November-2023 B.Com I → Market - Perfect Competition, Monopoly, Monopolistic
Competition, Oligopoly. B.A.I → Theory of Costs, Concepts of Revenue.

BA.II → Circular Flow of National Income, National Income in open economy.

BA.III → Monetary Policy in India, Money & Capital Market, Commercial Banking in India,
Banking Sector Reforms

December-2023 B.Com I → Syllabus Revision.

B.A.I → Syllabus Revision.

B.A.II → Syllabus Revision.

B.A.III → Syllabus Revision.

Signature of Teacher

22/09/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher SHYAM VASHISTHA Subject Commerce

Paper Business Management 19BC-102 Class & Section

B.Com-I

August-2023 - Concept, Nature, Spectrum of Business

- Setting up Business Enterprise
- Business Mgmt. - Development of thought
- Role of Fayol & F.W. Taylor

September-2023

- Planning - Process, objectives
- Organising - Concept, Structure, Process
- Staffing - Concept & scope
- Recruitment & Selection

October-2023

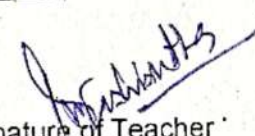
- Leadership: Styles & Theories
- Motivation: Concept & Theories
- Decision making
- Revision of the concepts

November-2023 - Controlling: Concept, Process, Techniques

- MBO, Management of change
- Resistance to change. Semester Class Test

December-2023

- Revision of the key concepts of the Paper
- Group Discussions
- Class Seminars & Quizzes etc.


Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher SHYAM VASHISTHA Subject Commerce

Paper Cost Accounting - I (19BC-502) Class & Section

B.Com. III

August-2023

- Cost Accounting: Introduction, scope, features
- Techniques, methods, objectives, cost & Profit Centres
- Elements of cost
- Difference between Cost & Financial Accounting

September-2023

- Material Control: Purchase Procedure, stock levels
- EOQ, methods of material issue
- Wastage of material, JIT, ABC system
- Revision of material control

October-2023

- Labour Cost Control: Time Keeping, Labour Turnover
- Idle Time, overtime, Time Booking
- Time wage System, Piece wage System
- Incentive wage plans
- Individual & Group Plans

November-2023

- Semester Class Test
- Basics of overhead, Types, collection
- Allocation, Apportionment, Absorption of o.h.

December-2023

- Machine Hour Rate
- Revision of Key Concepts
- Group Discussions, class seminars, quiz etc.

Shyam Vashistha
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher SHYAM VARSHITHA Subject Commerce

Paper Advertising & Sales mgmt Class & Section
(19 BC-505(A))

B.Com-III

August-2023

- Introduction to Advertising, Integrated marketing
- Marketing Communication, Planning m. Programme
- Role of Advertising & Promotion
- Role of Advertising Agencies

September-2023

- Sales Management: IMC Process, Sales manager
- Basic skills & changing Roles of Sales manager
- Theories of Selling
- Sales Planning - Objectives & Process

October-2023

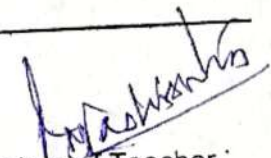
- Territory mgmt: Setting up Sales Territory
- Time management, Routing
- Sales Quota: objectives, types, management
- Sales force: Recruitment, Selection, Training

November-2023

- Control Process, Distribution channels
- Semester Class Test

December-2023

- Sales, Cost, Profitability, Sales Expenses
- Ethical Issues in Sales mgmt.
- web marketing
- Revision of key concepts.


Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher SHYAM VASHISTHA Subject Commerce

Paper BRF (1986-302) Class & Section

B Com II

August-2023 - Indian Contract Act 1872 - Introduction, Background

- Valid Contract, Proposal, Acceptance & Revocation
- Contractual Capacities
- Free Consent of the Parties

September-2023

- Lawful Consideration, Performance & Discharge
- Quasi Contracts, breach of Contract
- Contract of Bailment, Pledge, Indemnity & Guarantee
- Contract of Agency

October-2023

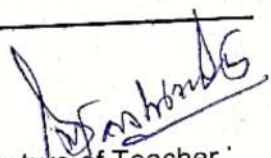
- Consumer Protection Act
- Sales of Goods Act 1930
- Performance of contract unpaid Seller etc.
- Revision of Sales of Goods Act

November-2023

- RTI Act - Salient Features, Procedure
- E-Governance, Semester Class Test
- Right to Service Act - Haryana & India

December-2023

- Revision of the whole papers key concepts
- Group Discussions
- Seminars by Students


Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Priyanka

Subject Computer Fundamentals

Paper 22 BCA 101

Class & Section BCA 1st year

1st sem.

August-2023

Unit - 1 Computer Fundamentals.

+

class test

September-2023

Unit - II Computer Hardware & Software.

+

class test

October-2023

Unit - III. Computer Languages.

Planning the computer Program.

Structured programming language.

November-2023

Unit IV Overview of Networking.

December-2023

Unit IV → Transmission Channels

Internet & its uses.

+ class test

Priyanka
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Vinod Kumar Subject PC Software.

Paper 22 BCA 102 Class & Section BCA

1st year.

August-2023

Unit - I. Ms-Window.

Practical Lab. Based on
Ms. window

September-2023

Unit - II Documentation Using Ms-Word.
Practical Lab Ms. word.

October-2023

Unit - III Electronic Spread sheet
+ tests.

November-2023

Unit - IV Ms - Power Point. Practical Lab PPT.
Revision.

December-2023

Revision

Vinod Kumar
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

Priyanka

Subject

Digital Electronics.

Paper

22 BCA 104

Class & Section

BCA

1st year 1st sem.
August-2023

Unit - I

Information Representation
& ASCII, EBCDIC
+ class test.

September-2023

Unit - II

Binary Logic.

Venn Diagram.

Karnaugh Maps. + class test.

October-2023

Unit - III

Digital Logic &
Combinational Logic.
+ class test.

November-2023

Unit - IV

Combinational Circuits.
Multiplexers.

+ class test.

December-2023

Revision All

Priyanka
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

Priyanka

Subject

Data Structures

Paper

22 BCA 301

Class & Section

2nd year.

August-2023

Unit - I

&

class test

September-2023

Unit - II

&

class test & PPT

October-2023

Unit - III

&

class test

Unit - IV

&

class test

November-2023

PPT

&

Test

December-2023

Revision.

Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

Priyanka.

Subject

Database Management System
Mid sem.

Paper

22 BCA302, 304

Class & Section

2nd year

August-2023

Unit 1 + Practical Lab according
to Unit + test.

September-2023

Unit - 2 + Practical Lab acc: to
Unit + test

October-2023

Unit - 3 + Practical Lab on
HTML + PPT
& Test.

November-2023

Unit 4 → Practical Lab + PPT
& class test

December-2023

Lab + PPT & Project.

Priyanka
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

Vinod Kumar Subject Data Communication & Network

Paper

22 BCA 303

Class & Section

IIIrd sem.

2nd year

August-2023

Unit-1

Basics of Networking
Network Architecture.
Data Communication.

September-2023

Unit-2

Transmission Media
Switching And Multiplexing.
Data Link

October-2023

Unit-3

Multiplexing

Unit-4

Broadband Connection.

November-2023

Revision.

December-2023

Revision.

Amad
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. SARITA SAINI Subject Computer Application
Paper Mathematical Fundation of Computing and analysis Class & Section 2nd year - III sem.

August-2023

UNIT-I :- Basis Statistics :- Measure of Central Tendency, Measure of Dispersion, Correlation and Regression, + class test.

September-2023

UNIT-II :- Algorithm and Graph Theory + class test.

October-2023

UNIT-III :- Tree and Recursion, Merge sort, Bubble sort + class test

November-2023

UNIT-IV :- Recurrence Relations, Number Theory + class test.

December-2023

Revision all the ~~3~~ UNITS.

Sarita
Signature of Teacher 24/08/2023

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher AKSHAY KUMAR Subject PHYSICS

Paper Solid State Class & Section B.Sc. IIIrd Year (5th sem)

August-2023

Unit-1

Elements of Crystal Structure I

September-2023

Unit-2

Elements of Crystal Structure II

October-2023

Unit-3

Diffraction of X-rays by Crystals
Reciprocal Lattice

November-2023

Unit-3

Reciprocal Lattice
Theory of Specific Heat of Solids

December-2023

Akshay Kumar
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

AKSHAY KUMAR

Subject

PHYSICS

Class & Section

B.Sc. IInd Year (3rd Sem)

Paper

OPTICS

August-2023

Unit-I

Wave optics

Interference of light

September-2023

Unit-I → Interferometer

Unit-II

Fresnel Diffraction

October-2023

Unit-II

Fresnel Diffraction

Unit-III

Fraunhofer Diffraction

November-2023

Unit-IV

Polarization

December-2023

polarization

Signature of Teacher

Akshay Kumar

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

PUSHPA

Subject

Physics

Paper

Mechanics, Thermodynamics,

Class & Section

BSc I/II/III year

Solid State Physics

August-2023

Mechanics-I [Unit-I (Dynamics)]

Thermodynamics [Unit-I (Laws of Thermodynamics)]

Solid state Physics [Unit-I (Elements of Crystal Structure)]

September-2023

Mechanics-I [Unit-II (Laws of Conservation)]

Thermodynamics [Unit-II (Thermodynamical processes)]

Solid state Physics [Unit-II (Elements of Crystal Structure)]

October-2023

Mechanics-I [Unit-III (Rotational Motion, Frames)]

Thermodynamics [Unit-III (Thermodynamic Potential)]

Solid state Physics [Unit-III (Diffraction of X-ray)]

November-2023

Mechanics-I [Unit-IV (Rotation of rigid body)]

Thermodynamics [Unit-IV (Kinetic theory of Gases)]

Solid state Physics [Reciprocal lattice]

December-2023

Mechanics-I [Unit-V (Oscillations)]

Thermodynamics [Unit-V (Theory of Radiations)]

Solid state Physics [Unit-IV (Theory of specific heat of solids)]

PUSHPA
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher AKSHAY KUMAR Subject PHYSICS

Paper

Electrostatic & Magnetism Class & Section B.Sc 1st Year (1st - 8em)

August-2023

Unit-1

Vector algebra

September-2023

Unit-1 → Vector algebra

Unit-2 → Electrostatics

October-2023

Unit-2 → Electric potential

Unit-3 → Capacitance of an isolated spherical conductor

November-2023

Unit-4

Magnetostatics

December-2023

Unit-4

Introduction to dia, para & ferromagnetic materials

Akshay Kumar
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Sombir Subject HISTORY

Paper Principles of History, Medieval world, Modern world, Rise of modern china Class & Section MA Ist 2023-24

August-2023

Unit I - Understanding of History - meaning, Definition and scope

Unit I - Medieval Europe - Economic, Religious and cultural History

September-2023

Unit II Types of History - Political, Social, Religious, Economic

Unit II medieval Europe Political structure

Unit I - mercantilism and the Beginning of Capitalism

Unit I - china National Humiliation During the 19th Century
opium wars,

October-2023

Unit - III - Fundamentals of History - Problem, Facts

Unit II Background, Emergence and growth of Islam

Unit - II - Political Revolutions in Modern world

Unit II - Re-emergence of Nationalism in china Boxer Movement

November-2023

Unit - IV - Importance of History - use and misuse of History

Unit IV - India Political structural change and Continuity

December-2023

Unit - III Development of Imperialism

Unit - IV First World War, Second world war

Unit - II China Political Crisis the 1920 KMT

Unit IV Cross-strait Relation and the Cultural Revolution

Sombir
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Somvir

Subject HISTORY

Paper Historical Economic History upto 1200 A.D. Class & Section M. A Ind. - 2023-24

Art and Architecture in Ancient India

August-2023

Unit I - Stone Age to Later Vedic Age - Economy, P.G.W

Unit II - P.G.W to Post Mauryan Economy - MSPW

Unit III - Rock art of India Bhimbetka, Harappan art

Unit IV - Shilpa and Kala in India Societies

September-2023

Unit V - Land System - Land types, land rights

Unit VI - Trading Economy (321 B.C. to 1200 A.D.)

Unit VII - The art develops chaityas, prastambas, stupas

October-2023

Unit VIII - General outline of art and

Architecture, Khajuraho - Kishanpur and Maheshwar

November-2023

Unit IX - Temple and Rock Cut architectural Ajanta

Unit X - Sampran, Gujarat, Rajasthan,

December-2023

Bharatpur and Malwa

Somvir
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher PUSHPA

Subject Physics

Paper Classical Mechanics,
Mathematical Physics

Class & Section MSC Ist year

August-2023

Classical Mechanics (Unit-I Introduction)
Mathematical Physics (Unit-I (Matrices))

September-2023

Classical Mechanics (Unit-II) Intro to classical Mechano
Mathematical Physics (Unit-II) Integral Transforms

October-2023

Classical Mechanics (Unit-III) Lagrangian & Hamiltonian
Mathematical Physics (Unit-III) Differential Equations

November-2023

Classical Mechanics (Unit-IV) Poisson bracket
Mathematical Physics (Unit-IV) Special functions

December-2023

Classical Mechanics (Unit-V) Two body problem, HT theory
Mathematical Physics (Unit-V) Functions of complex variable

Pushpa
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher AKSHAY KUMAR Subject PHYSICS

Paper Quantum Mech-I Class & Section

M.Sc 1st Year
(1st Sem)

Electronic Devices & Ckt-I

August-2023

Unit-I of Quantum mech. &
Electronics

September-2023

Unit-I & II of Quantum mech &
electronics.

October-2023

Unit-II & IIIrd of Quantum mech.
& Electronics.

November-2023

Unit-IIIrd & IVth of
Quantum Mech. & Electronics.

December-2023

Unit-IVth of Quantum Mech.
& Electronics.

Akshay Kumar

Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. SARITA SAINI Subject Mathematics

Paper Abstract Algebra, Mathematical Statistics and Introduction to Ms-Excel & programming in Fortran Lab. Class & Section (M.Sc. 1st year - I sem.)

August-2023 (UNIT-I) :- (Definition of group, group of symmetry)

M.S. (Probability: classical statistical and axiomatic approach, Addition theorem, Bayes' theorem and its application)

Computer (Introduction to Ms-Excel)

September-2023 (UNIT-II)

(Nilpotent group, central series, upper and lower central series)

M.S. (Joint, Marginal and Conditional distⁿ, Mathematical Expectation and its properties, Variance and Covariance)

Computer (Introduction to FORTRAN 90)

October-2023 (UNIT-III)

Definition of a ring, examples, integral domain UFD, PID, ED.

M.S. (Continuity distⁿ, Uniform, Normal, Gamma and exponential distⁿ)

Computer (Conditional and Control Statement if then, (ENDIF) THEN - ELSE - ENDIF, Parameter and Cycle statement)

November-2023 (UNIT-IV) (Canonical form, similarity of matrices, invariant

M.S. (Point and interval estimation, Unbiasedness, sufficient and consistency and efficiency)

Computer (Array, dummy arguments, Actual argument etc.)

December-2023 Revision all the unit & test.

Revision all the unit & test.

Sarita
Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Dr. SARITA SAINI Subject MATHEMATICS

Paper Topology, MAT lab. Programming Class & Section (M.Sc. 2nd sem)
and Computing Lab - III, Mechanics of solid - I.

August-2023 UNIT-I (Definition and ex. of topology space,
closed sets, closure, dense subset, Neighbourhood system)

Mat lab. (Introduction, Feature of MATLAB, MATLAB window)

Mechanics (Cauchy's tensor).

September-2023 UNIT-II

Topology (Continuous function and homeomorphism, Connected space)

Mat lab (Array and vectors).

Mechanics (Analysis of stress).

October-2023 UNIT-III

Topology (Compactness, Compact set, Basic properties, intersection property)

Mat lab (Loops and conditional statement).

Mechanics (Analysis of strain).

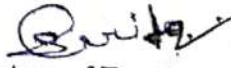
November-2023

UNIT-IV (First and second Countable space,
second Countability, Complete regularity and Complete normality)
Mat lab (Functions - writing user defined function).

Mechanics (Equations of elasticity).

December-2023

Revision all the units for all the
papers. & class test.


Signature of Teacher

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher Pushpa Dutt Subject Mathematics

Paper Differential Equations / Real Analysis / Analytical Number Theory Class & Section M.Sc. Math 3rd sem
Differential Geometry M.Sc. Math 1st sem
M.Sc. 3rd sem (Differential Geometry) B.C.A. 1st sem
 August-2023 Curve with Torsion - (UNIT-I)
M.Sc. 1st sem (Differential Equations and Calculus of Variations) (UNIT-II, -II)

Preliminaries: Initial value problem, Lipschitz Condition.
M.Sc. 3rd sem (Analytical Number Theory) - Distribution of Primes.

M.Sc. 1st sem (Real Analysis) - Sequence and series of functions.
B.C.A. 1st sem (Sets, Relations and Functions). Arzela's Theorem.
 September-2023

M.Sc. 3rd sem - (Differential Geometry) - Spherical Curvature, Edges of Regression (UNIT-II)
M.Sc. 3rd sem - (Analytical Number Theory) - Hurwitz Theorem, Farey series. (UNIT-II)

M.Sc. 1st sem - (Ordinary Differential Equations) - Adjoint system, Fundamental
M.Sc. 1st sem (Real Analysis) - Definition and existence of set - UNIT-II
B.C.A. 1st sem - MATRICES, Limits and Continuity - UNIT-I, Riemann-Integral, Determinants. Arzela's Theorem.

October-2023 M.Sc. (3rd) sem - Differential Geometry - Curvilinear Co-ordinates
M.Sc. 3rd sem - (Analytical Number Theory) - Quadratic Residue, Legendre Unit - Normal (3rd UNIT)

M.Sc. 1st sem - (Differential Equations and Calculus of Variations) - Critical point, Symbolic
Plane Autonomous system, Nodes, stability of points - (UNIT-III)
M.Sc. 1st sem - (Real Analysis) - Functions of several variables, Lagrange's
B.C.A. 1st sem - Differentiation, Chain Rule etc. - (UNIT-III) Method.

November-2023 M.Sc. 3rd sem - (Differential Geometry) - Principal directions
M.Sc. 3rd sem - (Analytical Number Theory) - Arithmetic functions, Curvature, Torsion etc. (UNIT-IV)
M.Sc. 1st sem - (Differential Equations and Calculus of Variations) - Perfect Number (UNIT-IV)
M.Sc. 1st sem - (Real Analysis) - Set functions, measurable sets. (UNIT-IV), B.C.A. (UNIT-IV)

December-2023

M.Sc. 3rd sem - (Differential Geometry) - Revision and Problems (UNIT-I to IV)
M.Sc. 3rd sem - (Analytical Number Theory) - Mobius function, inversion formula
M.Sc. 1st sem - (Differential Equations and Calculus of Variations) - (UNIT-IV)
M.Sc. 1st sem - (Real Analysis) - Borel Sets, Non-measurable sets. (UNIT-IV) (Revision)

[B.C.A. - Fundamental Theorems of Integral Calculus (Revision and Problems) 1st sem]

Signature of Teacher
23/08/2023

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher AKSHAY KUMAR Subject PHYSICS

Paper Electrodynamics Class & Section M.Sc 2nd year
Electronics (3rd Sem)

August-2023

Unit - I of Electrodynamics
& Electronics.

September-2023

Unit - I & II of Electrodynamics
& Electronics.

October-2023

Unit II & III of E.D. &
Electronics Both.

November-2023

Unit III & IV of
E.D & Electronics

December-2023

Unit IVth of E.D. &
Electronics.

Akshay

Signature of Teacher

12/12/23

Subject Lesson Plan August-2023 to December-2023

Name of the

Teacher

PUSHPA

Subject

Physics

Class & Section

MSc IInd year

Paper Atomic and Molecular Spectroscopy I, Physics of nano-materials

August-2023

Atomic & Molecular Spectroscopy (Unit-I Atomic physics)
Physics of nano-materials (Unit-I (Density of states))

September-2023

Atomic & Molecular Spectroscopy (Unit-II Atomic physics)
Physics of nano-materials (Unit-II density of states)

October-2023

Atomic & Molecular Spectroscopy (Unit-III Molecular Physics)
Physics of nano-materials (Unit-III Reduced Dimensional Systems)

November-2023

Atomic & Molecular Spectroscopy (Unit-IV Vibrational Spectra)
Physics of nano-materials (Unit-IV Fabrication of nano-materials)

December-2023

Atomic & Molecular Spectroscopy (Unit-V Electronic Spectra)
Physics of nanomaterials (Unit-V Characterization of nanomaterials)

Pushpa
Signature of Teacher