

Teaching Plan – 2025-26

Odd Sem

(August to December)

M.A. History Sem-III

Paper - National Movement in India

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Indian Nationalism 1859-1885		
2	August Week 2	Early Associations and Recent Uprisings 1859-1880		
3	August Week 3	Theories of Origin of INC.		
4	August Week 4	Social Basis of INC.		
5	September Week 1	National Awakening and Socio-Religious Reforms		
6	September Week 2	Moderate Phase of INC.		
7	September Week 3	Growth of Extremism		
8	September Week 4	Act of 1909		
9	October Week 1	Court of India Act 1919		
10	October Week 2	Chandhi's leadership: Ideology of Mass Participation	Class Test	
11	October Week 3	Non cooperation and Khilafat movement		
12	October Week 4	Civil Disobedience		

13	October Week 5	Satyagraha and Quit India Movement		
14	November Week 1	Freedom Struggle in Princely States		
15	November Week 2	Revolutionary Movement since 1905, Left Wing Politics	Assignments	
16	November Week 3	INA, Muslim League, Hindu Mahasabha		
17	November Week 4	Last Phase of Struggle - Freedom and Partition		
18	December Week 1	Why Gandhiji and Congress accept Partition		

Teaching Plan – 2025-26 Odd Sem (August to December)

M.A. History Sem - I

Paper - Ancient Civilisations

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Prehistory and Protohistory of India: Main features of Stone Age		
2	August Week 2	Origin of Tool making		
3	August Week 3	Origin of Agriculture, settled life and Craft specialization		
4	August Week 4	Hareppan Civilization:		
5	September Week 1	Extent, State Structure, Town Planning, Arts and Crafts		
6	September Week 2	Social and economic conditions		
7	September Week 3	Decline and legacy		
8	September Week 4	Mesopotamia Civilization		
9	October Week 1	Mesopotamia Civilization		
10	October Week 2	Egyptian Civilization	Class Test	
11	October Week 3	Egyptian Civilization		
12	October Week 4	Vedic Civilization		

13	October Week 5	Greek Civilization		
14	November Week 1	Greek Civilization		
15	November Week 2	Roman Civilization		
16	November Week 3	Roman Civilization	Assignments	
17	November Week 4	Chinese Civilisation		
18	December Week 1	Chinese Civilisation		

पाठ – योजना

कक्षा:- स्नातक , तृतीय वर्ष (पंचम सत्र)

सेमेस्टर – (अगस्त- नवंबर 2025

नाम : - कमलेश, सहायक प्रोफेसर, हिन्दी

क्रम सं.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
1	अगस्त सप्ताह प्रथम	भाषा- अर्थ, परिभाषा एवं स्वरूप		
2	अगस्त सप्ताह द्वितीय	भाषा के प्रकार, भाषा की विशेषताएं	---	
3	सप्ताह तृतीय	भाषा की उपयोगिता एवं महत्व	---	
4	सप्ताह चतुर्थ	हिंदी भाषा- उद्भव और विकास	---	
5	सप्ताह चतुर्थ	हिंदी भाषा के विविध रूप- मातृभाषा, राजभाषा राष्ट्रभाषा		
6	सप्ताह पंचम	बोली, उपभाषा और भाषा		
7	सितंबर सप्ताह प्रथम	मानक हिन्दी के तत्व- ध्वनि, शब्द, वाक्य, अर्थ	---	
8	सप्ताह द्वितीय	संचार- अर्थ, परिभाषा, स्वरूप		
9	सप्ताह तृतीय	भाषा की उपयोगिता एवं महत्व		
10	सप्ताह चतुर्थ	भाषा की विशेषताएं		
11	अक्टूबर सप्ताह प्रथम	संचार के प्रकार		
12	सप्ताह द्वितीय	संचार की प्रक्रिया		
13	सप्ताह तृतीय	संचार का महत्व संचार कौशल और व्यक्तित्व विकास		
14	सप्ताह चतुर्थ (19 -10-25 से 26-10-25)	दिवाली अवकाश		
15	अक्टूबर सप्ताह पंचम	बोली, उपभाषा, भाषा		

क्रम सं.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
16	नवंबर सप्ताह प्रथम	संचार कौशल की प्रासंगिकता	टैस्ट-1	
17	सप्ताह द्वितीय	प्रभावी संचार कौशल व संचार कौशल के 7C	असाइनमेंट-1	
18	सप्ताह तृतीय	संचार कौशल के सिद्धांत		
19	सप्ताह चतुर्थ	पुनरावृत्ति		

पाठ-योजना

कक्षा- स्नातक,द्वितीय वर्ष (तृतीय सत्र) आधुनिक गद्द साहित्य (मेजर)

सेमेस्टर- (अगस्त-नवम्बर 2025-2026)

नाम – मीना सहायक प्रोफेसर,हिन्दी

Sr. No.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
1	अगस्त सप्ताह प्रथम	चंद्रधर शर्मा गुलेरी का साहित्यिक जीवन परिचय 'उसने कहा था' कहानी की व्याख्या		
2	सप्ताह द्वितीय	'उसने कहा था' कहानी की व्याख्या, उसने कहा था' कहानी की समीक्षा, कहानी का उद्देश्य	---	
3	सप्ताह तृतीय	लहनासिंह का चरित्र- चित्रण लघूत्तरात्मक प्रश्न-उत्तर मुंशी प्रेमचंद का साहित्यिक जीवन परिचय 'पूस की रात' कहानी की व्याख्या	---	
4.	सप्ताह चतुर्थ	'पूस की रात' कहानी की समीक्षा कहानी के आधार पर किसान जीवन की त्रासदी का विश्लेषण हल्कू का चरित्र-चित्रण		

5	सितम्बर सप्ताह प्रथम	'पूस की रात' कहानी की प्रासंगिकता, कहानी के सामाजिक सन्दर्भ का विश्लेषण लघूत्तरात्मक प्रश्न-उत्तर जयशंकर प्रसाद का साहित्यिक जीवन परिचय	---	
6	सप्ताह द्वितीय	'गुण्डा' कहानी की व्याख्या 'गुण्डा' कहानी की समीक्षा नन्हकू का चरित्र-चित्रण लघूत्तरात्मक प्रश्न-उत्तर		
7	सप्ताह तृतीय	मैत्रेय पुष्पा का साहित्यिक जीवन परिचय 'फैसला' कहानी की व्याख्या		
8	सप्ताह चतुर्थ	'फैसला' कहानी की समीक्षा 'फैसला' कहानी का उद्देश्य फैसला' कहानी के माध्यम से व्यक्त स्त्री - चेतना	---	
9.	अक्टूबर सप्ताह प्रथम	वसुमती का चरित्र चित्रण रणवीर का चरित्र चित्रण ईसुरिया का चरित्र चित्रण	असाइनमेंट -1	
10.	सप्ताह द्वितीय	लघूत्तरात्मक प्रश्न-उत्तर सरदार पूर्ण सिंह का साहित्यिक जीवन परिचय, 'मजदूरी और प्रेम' निबंध की व्याख्या	टैस्ट - 1	

11	सप्ताह तृतीय	'मजदूरी और प्रेम' निबंध का उद्देश्य, 'मजदूरी और प्रेम' निबंध की भाषा शैली , निबंध की प्रमुख विशेषताएं, लघूत्तरात्मक प्रश्न-उत्तर		
12	सप्ताह चतुर्थ	दिवाली अवकाश		
13	सप्ताह पंचम	विद्यानिवास मिश्र का साहित्यिक जीवन परिचय 'मेरे राम का मुकुट भीग रहा' निबंध की व्याख्या		
14	नवंबर सप्ताह प्रथम	निबंध की विशेषताएं, भाषा शैली निबंध का उद्देश्य	असाइनमेंट -2	
15	सप्ताह द्वितीय	लघूत्तरात्मक प्रश्न-उत्तर हरिशंकर परसाई का साहित्यिक जीवन परिचय, निबंध का उद्देश्य	अर्द्ध वार्षिक परीक्षा	
16	सप्ताह तृतीय	भाषा शैली, विशेषताएं , लघूत्तरात्मक प्रश्न-उत्तर		
17	सप्ताह चतुर्थ	पुनरावृत्ति		

पाठ-योजना

कक्षा- स्नातक,द्वितीय वर्ष (तृतीय सत्र) आधुनिक गद्द साहित्य (माइनर)

सेमेस्टर- (अगस्त-नवम्बर 2025-2026)

नाम – मीना सहायक प्रोफेसर,हिन्दी

Sr. No.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
1	अगस्त सप्ताह प्रथम	चंद्रधर शर्मा गुलेरी का साहित्यिक जीवन परिचय 'उसने कहा था' कहानी की व्याख्या		
2	सप्ताह द्वितीय	'उसने कहा था' कहानी की व्याख्या, उसने कहा था' कहानी की समीक्षा, कहानी का उद्देश्य	---	
3	सप्ताह तृतीय	लहनासिंह का चरित्र- चित्रण लघूत्तरात्मक प्रश्न-उत्तर मुंशी प्रेमचंद का साहित्यिक जीवन परिचय 'पूस की रात' कहानी की व्याख्या	---	
4.	सप्ताह चतुर्थ	'पूस की रात' कहानी की समीक्षा कहानी के आधार पर किसान जीवन की त्रासदी का विश्लेषण हल्कू का चरित्र-चित्रण		

5	सितम्बर सप्ताह प्रथम	'पूस की रात' कहानी की प्रासंगिकता, कहानी के सामाजिक सन्दर्भ का विश्लेषण लघूत्तरात्मक प्रश्न-उत्तर जयशंकर प्रसाद का साहित्यिक जीवन परिचय	---	
6	सप्ताह द्वितीय	'गुण्डा' कहानी की व्याख्या 'गुण्डा' कहानी की समीक्षा नन्हकू का चरित्र-चित्रण लघूत्तरात्मक प्रश्न-उत्तर		
7	सप्ताह तृतीय	मैत्रेय पुष्पा का साहित्यिक जीवन परिचय 'फैसला' कहानी की व्याख्या		
8	सप्ताह चतुर्थ	'फैसला' कहानी की समीक्षा 'फैसला' कहानी का उद्देश्य फैसला' कहानी के माध्यम से व्यक्त स्त्री - चेतना	---	
9.	अक्टूबर सप्ताह प्रथम	वसुमती का चरित्र चित्रण रणवीर का चरित्र चित्रण ईसुरिया का चरित्र चित्रण	असाइनमेंट -1	
10.	सप्ताह द्वितीय	लघूत्तरात्मक प्रश्न-उत्तर सरदार पूर्ण सिंह का साहित्यिक जीवन परिचय, 'मजदूरी और प्रेम' निबंध की व्याख्या	टैस्ट - 1	

11	सप्ताह तृतीय	'मजदूरी और प्रेम' निबंध का उद्देश्य, 'मजदूरी और प्रेम' निबंध की भाषा शैली , निबंध की प्रमुख विशेषताएं, लघूत्तरात्मक प्रश्न-उत्तर		
12	सप्ताह चतुर्थ	दिवाली अवकाश		
13	सप्ताह पंचम	विद्यानिवास मिश्र का साहित्यिक जीवन परिचय 'मेरे राम का मुकुट भीग रहा' निबंध की व्याख्या		
14	नवंबर सप्ताह प्रथम	निबंध की विशेषताएं, भाषा शैली निबंध का उद्देश्य	असाइनमेंट -2	
15	सप्ताह द्वितीय	लघूत्तरात्मक प्रश्न-उत्तर हरिशंकर परसाई का साहित्यिक जीवन परिचय, निबंध का उद्देश्य	अर्द्ध वार्षिक परीक्षा	
16	सप्ताह तृतीय	भाषा शैली, विशेषताएं , लघूत्तरात्मक प्रश्न-उत्तर		
17	सप्ताह चतुर्थ	पुनरावृत्ति		

Teaching Plan – 24UN-CHE-101(Chemistry -1)

Class: B.Sc. First

Semester – First (August – November 2025)

Name of Teacher: Mrs. Yeshwanti, Assistant Professor of Chemistry

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	1. Introduction to Atomic Structure - Dual behaviour of matter and radiation, De Broglie's relation - Heisenberg's Uncertainty principle		
2	Week2	- Concept of atomic orbitals, significance of quantum numbers - Radial and angular wave functions - Normal and orthogonal wave functions	Group Discussion	
3	Week 3	- Significance of Ψ and Ψ^2 - Shapes of s, p, d, f orbitals - Rules for filling electrons in various orbitals		

4	Week 4	• Effective nuclear charge , Slater's rules • Introduction to Periodic table and atomic properties • Classification of periodic table, definition of atomic and ionic radii	Group Discussion	
5	September Week 1	• Ionization energy, electron affinity and electronegativity • Trend in periodic table(in s and p block elements) • Pauling, Mulliken, Allred Rachow and Mulliken Jaffe's electronegativity scale, Sanderson's electron density ratio		
6	Week 2	• Introduction to Gaseous State • Kinetic theory of gases, Maxwell's distribution of velocities and energies • Calculation of root mean square velocity, average velocity and most probable velocity • Collision diameter, collision number, collision frequency and mean free path		

7	Week 3	• Derivation of real gases from ideal behaviour • Derivation of Vander Waal's Equation of State, it's application in the calculation of Boyle's temperature (compression factor)	Group Discussion	
8	Week 4	• Introduction to Critical Phenomenon • Concept of critical temperature, critical pressure, critical volume • Relationship between critical constants and Vander Waal's constants(Derivation excluded)	Assignment 1	
9	October Week 1	• Introduction to Structure and Bonding • Vander Waal's interactions • Concept of resonance and it's applications	Class Test	
10	Week 2	• Hyperconjugation • Inductive effect • Electrometric effect and their comparison		

11	Week 3	• Introduction to Mechanism of Organic Reactions • Curved arrow notation, homolytic and heterolytic bond fission • Types of reagents: electrophiles and nucleophiles • Types of organic reactions: Substitution, Addition, Condensation, Elimination, Rearrangement, Isomerization and Pericyclic reactions		
12	Week 4	• Diwali Vacation		
13	Week 5	• Reactive intermediates: Carbonations, Carbanions, Free radicals, Carbenes • Introduction to Liquid State • Structure of liquids • properties of liquids: Surface tension	Assignment 2	

14	November Week 1	• Refractive index, viscosity • Vapour pressure and optical rotation • Introduction to Solid State: classification of solids		
15	Week 2	• Law of constancy of interfacial angles, law of rational indices, Miller indices • Elementary ideas of symmetry and symmetry elements • Seven crystal systems and fourteen Bravais lattice	Mid Term Exam	
16	Week 3	• X-Ray diffraction , Bragg's law, a simple account of Laue method, rotating crystal method and powder pattern method	Group Discussion	
17	Week 4	• Revision of complete syllabus		

Teaching Plan – 20UCHE504: Environmental Chemistry (SEC- III)

Class: B.Sc. Final Year

Semester – Fifth Semester (August– November 2025)

Name of Teacher: Mrs. Yeshwanti, Assistant Professor of Chemistry

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	• Introduction to Air Pollution • Major region of atmosphere • Chemical and photochemical reactions in atmosphere • Air pollutants: types, sources, particle size and chemical nature		
2	Week 2	• Photochemical smog: its constituents and photochemistry • Environmental effects of Ozone • Major sources of air pollution, pollution by SO₂, CO₂, CO, NO_x, H₂S and other foul-smelling gases	Group Discussion	

3	Week 3	• Methods of estimation of CO, NO_x, SO_x and control procedures • Effects of air pollution on living organisms and vegetation • Greenhouse effect and Global warming	---	
4	Week 4	• Ozone depletion by oxides of nitrogen, chlorofluorocarbons and halogens • Introduction to Water Pollution • Hydrological cycle	---	
5	September Week1	• Water resources, aquatic ecosystems • Source and nature of water pollutants • Techniques for measuring water pollution	Group Discussion	
6	Week 2	• Impacts of water pollution on hydrological and ecosystems • Water purification methods		
7	Week 3	• Effluent treatment plants(primary, secondary and tertiary treatment)	Group Discussion	

8	Week 4	Industrial effluents from the following industries and their treatment: Electroplating	Assignment 1	
9	October Week 1	- Textile - Tannery - Dairy	Class Test	
10	Week 2	- Petroleum and petrochemicals - Agro - Fertilizer		
11	Week 3	- Industrial waste management - Incineration of waste - Water treatment and purification by reverse osmosis		
12	Week 4	Diwali Vacation		
13	Week 5	- Electrodislysis - Ion Exchange - Water quality parameters for waste water - Industrial water and domestic water	Assignment 2	

14	November Week 1	• Introduction to energy and environment • Sources of energy: coal, petrol and natural gas		
15	November Week 2	• Nuclear fusion, nuclear fission, solar energy, hydrogen • Geothermal, tidal and hydel etc • Introduction to nuclear pollution • Disposal of nuclear waste • Nuclear disaster and its management	Mid Term Exam	
16	Week 3	• Introduction to Biocatalysis • Importance in Green Chemistry and Chemical Industry	Group Discussion	
17	Week 4	• Revision of complete syllabus		

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Teaching Plan – 24UN-CHE-MDC-101 (Introductory Chemistry -1)

Class: B.A. First Year

Semester – First Semester (August – November 2025)

Name of Teacher: Mrs. Yeshwanti, Assistant Professor of Chemistry

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	• Introduction to Atomic Structure and Bonding • Elementary introduction of atomic structure		
2	Week 2	• Chemical Bonding with examples	Group Discussion	
3	Week 3	• Representation of elements/atoms	--	
4	Week 4	• Lewis structure	Group Discussion	
5	September Week 1	• Electronic configuration(1-30)		
6	Week 2	• Introduction to Carbon and Its Compounds • Tetra valency of carbon		
7	Week 3	• Allotropes of carbon and their properties	Group Discussion	
8	Week 4	• Hydrocarbons (1-5)	Class Test	

9	October Week 1	• Nomenclature (linear compounds) • Applications of Hydrocarbons		
10	Week 2	• Introduction to polymers • Elementary idea of synthetic and natural polymers		
11	Week 3	• Homo polymers and copolymers • Uses and properties of Natural rubber • Vulcanized rubber • polythene		
12	Week 4	• Diwali Vacation		
13	Week 5	• Poly vinyl chloride (PVC) • Styrene • Teflon	Assignment	
14	November Week 1	• PAN (Polyacrylonitrile) • Nylon -66		

15	Week 2	• Introduction to Food preservation • Elementary idea of synthetic and natural food preservatives	Mid Term Exam	
16	Week 3	• Rancidity, uses and properties • Different food preservation processes • Artificial sweetener, uses and properties		
17	Week 4	• Revision of complete syllabus	Group Discussion	

Teaching Plan – Auditing

Class: Bcom 3rd year

Semester – 5 (August– December 2025)

Name of Teacher: Rakesh

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Auditing: Concept, Objectives, Importance and Types of Auditing.	---	
2	Week 2	Audit Process: Internal Control, Internal Check Internal Audit, Audit Programme.	---	
3	Week 3	Audit Procedure- Routine Checking,		
4	Week 4	Vouching, Verification Valuation of Assets & Liabilities.		
5	September Week 1	Audit of Public Company: Qualification of a Company Auditor,		
6	Week 2	Appointment of company Auditors, Powers,.	Assignment 1	
7	Week 3	Duties and liabilities of Auditors,	Class Test 1	
8	Week 4	Audit of Depreciation and Reserves,		
9	October Week 1	Divisible profits & dividends.		

10	Week 2	Audit Report: Introduction and Basics of Audit Report,		
11	Week 3	Diwali Vacation		
12	Week 4	Objectives of Audit Report, Contents,	Assignment 2	
13	November Week 1	Types of Audit Report.	Class Test 2	
14	Week 2	Investigation: Meaning, Concept,		
15	Week 3	Audit Report and Investigation		
16	Week 4	Features and Significance of Investigation.		
17	December Week 1	Examination		

Teaching Plan – Business Management

Class: Bcom 1st year

Semester – 1st (August-December 2025)

Name of Teacher: Rakesh

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Business Concept, Nature and Spectrum of Business Activities.		
2	Week 2	Basic Considerations in Setting up a Business enterprise. Management: Introduction, Process,	---	
3	Week 3	Development of Management Thoughts	---	
4	Week 4	Contribution of Taylor and Henry Fayol in Management Planning: Objectives.		
5	Week 5	Strategies and Planning process.	---	
6	September Week 1	Organizing: concept, Organizational Structure		
7	Week 2	Process.	Assignment 1	
8	Week 3	Staffing: concept and Scope.	Class Test 1	
9	Week 4	Recruitment and Selection.		
10	October Week 1	Directing: Leadership concept and Style,		

11	Week 2	Theories: Trait theory, Style & Behavior theory, Contingency theory.		
12	Week 3	Diwali Vacation		
13	Week 4	Reinforcement theory, Expectancy theory. Decision Making	Assignment 2	
14	November Week 1	Controlling: Concept, Process	Class Test 2	
15	Week 2	Techniques, Management by Objectives		
16	Week 3	Motivation: Concept, Theories: ERG theory		
17	Week 4	Management of Change		
18	December Week 1	Resistance to Change and Strategies to manage change. Examination		

Lesson Plan –2025-2026

Class: B.Sc. 3rd year

Semester: 5th (Aug-Dec 2025-26)

Subject: Physics

Paper: Solid State Physics(20UPHY501A)

Name of Teacher: Sh. Anand Kumar

Month	Topics to be covered	Academic Activity
August Week 1	Crystal Structure :Crystalline And amorphous solids, Liquid crystals ,crystal structure, Periodicity ,lattice and basis,	
Week 2	Crystal translational vectors and axes, unit cell and primitive Cell, Winger Seitz primitive Cell,	
Week 3	Symmetry operations for a two dimensional crystal, Bravais lattices in two and three dimensions,	
Week 4	Crystal planes and Miller indices,,	Unit Test
Sept. Week 1	Crystal structures of Sodium Chloride and Diamond	
Week 2	Crystal Structure :X-ray diffraction	
Week 3	Bragg's Law and experimental X-ray diffraction methods,	
Week 4	K-space and reciprocal lattice And its physical significance,	
October Week 1	Reciprocal lattice vectors, reciprocal lattice to a simple Cubic lattice	Unit Test
Week 2	BCC and FCC	
Week 3	Free electron theory :Free Electron gas models and its failures	Assignment

Week 4	Magnetic Properties of Matter: Dia-, Para-, Ferri- and Ferromagnetic Materials	
Nov. Week 1	Classical Langevin Theory of dia and Paramagnetic Domains, Curie's law, Weiss's Theory of Ferromagnetism and Ferromagnetic Domains	Unit Test
Week 2	Superconductivity: Historical introduction, survey of superconductivity, super Conducting systems	
Week 3	Lattice vibrations: lattice vibration and concept of phonon	
Week 4	Specific heat of solids, Dulong And Petit's Law	
Dec. Week 1	Sommerfeld quantum theory, Hall Effect Einstein and Debye theories of Specific heat of solids	Revision

Lesson plan

Class: Bcom

Semester – 3rd Income Tax Session:2025-26

Name of Teacher: Dr. Manisha Lather

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August (Week1)	Income tax: Concepts Assesse, person, previous year,		
2	Week 2	assessment year, gross total income,	---	
3	Week 3	total income, casual income, virtual digital set	class –test---	
4	Week 4	Role of PAN and Aadhar number in income tax;	---	
5	September (Week 1)	Maximum Marginal Rate of Tax:		
6	Week 2	Alternate Minimum Tax;		
7	Week 3	Agricultural Income		
8	Week 4	Tax evasion Tax avoidance,	Class test	
9	October Week 1	Tax planning		
10	Week 2	and Tax management.		
11	Week 3	Computation of incomes based on residential status of individuals		
12	Week 4	Diwali Vacation		

Lesson plan

13	Week 5	HUFs, Company and other persons;		
14	November(Week 1)	Determining incomes taxable	assignment	
15	Week 2	exempt under the head salaries (including retirement benefits and provisions)	Mid Term Exam	
16	Week 3	income from house property		
17	Week 4	Revision		

Lesson plan

Class: Bcom

Semester – 5th Advertising and Sales Management Session:2025-26

Name of Teacher: Dr. Manisha Lather

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August (Week 1)	Introduction to Advertising: Evolution of Advertising		
2	Week 2	Promotion, Emergence of Integrated Marketing	---	
3	Week 3	Communication Strategy. Developing Marketing	class –test---	
4	Week 4	Planning Program, Role of Advertising and Promotion,	---	
5	September (Week 1)	Types and Role of Advertising Agencies		
6	Week 2	Sales Management: Participants in IMC Process		
7	Week 3	Position of Sales Management in Promotion, Characteristics and Responsibilities of Sales Management:		
8	Week 4	. Sale Planning- Objectives and Process,Territory Management:		
9	October Week 1	Requirements and system for Setting up Sales Territories;		
10	Week 2	Time Management; Routing. Sales Quotas- Objectives and types of Quotas		
11	Week 3	Management of Sales Quotas.		
12	Week 4	Diwali Vacation		

Lesson plan

13	Week 5	Management of Sales Force Recruitment, Selection and Training. Basic Skills and Changing Roles of Sales Managers. Theories of Selling		
14	November(Week 1)	Control Process and Distribution Channels; Analysis of Sales, Cost and Profitability, Sales Expenses	assignment	
15	Week 2	Managing, Performance Evaluation of Sales Force, Ethical Issues in Sales Management	Mid Term Exam	
16	Week 3	Web Marketing. Emerging Issues in Advertising and Sales Management.		
17	Week 4	Revision		

Lesson plan

Class: Bcom

Semester – 3rd. Corporate accounting

Name of Teacher: Dr.Manisha Lather

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August (Week 1)	Issue of shares		
2	Week 2	Transfer of shares	---	
3	Week 3	DMAT,bonus share, sweat equity share,buy back of shares	-class –test---	
4	Week 4	Dividend on share	---	
5	September (Week 1)	Redemption of shares		
6	Week 2	Profit prior to incorporation		
7	Week 3	Basis of allocation f expenses and income		
8	Week 4	Amalgamation of company		
9	October Week 1	Amalgamation of company		
10	Week 2	Underwriting of share		
11	Week 3	Overview of income disclosure and computation standard		
12	Week 4	Diwali Vacation		
13	Week 5	Final account of company		
14	November(Week 1)	Internal reconstruction of company	assignment	
15	Week 2	Internal reconstruction of company	Mid Term Exam	
16	Week 3	Revision		
17	Week 4	Revision		

Teaching Plan – Geography and Disaster Management

Class: M. Sc. Geography (3rd Semester)

Semester – (August–December, 2025)

Name of Teacher: Dr. Mukesh Kumar

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Regional physiography, geology, soils, drainage, climate, land use and land cover of India		
2	August Week 2	Natural hazards risk prone areas of India		
3	Week 3	Hazard risk, vulnerability and disaster: concepts and relationships	---	
4	Week 4	Measuring hazard risks, vulnerability and disasters	---	
5	September Week 1	Regional extreme events in India: earthquakes, floods, drought	---	
6	Week 2	Regional extreme events in India: cyclone, tsunami, landslides, avalanches	Assignment 1	
7	Week 3	Regional extreme events in India: snow, rain, and wind storms	Class Test 1	
8	Week 4	Disaster magnitude and impacts: case study/ examples from recent disasters		
9	October Week 1	Earthquake disaster vulnerability assessment (case study of metropolitan and other major cities)	--	

10	Week 2	Flood disaster zonation and vulnerability assessment, Landslides and avalanches disaster zonation and mapping	---	
11	Week 3	Drought disasters zonation and mapping.		
7	Week 4	Multi hazard risk assessment.		
12	Week 4	Diwali vacation	---	
13	November Week 1	Understanding manmade disasters, fires and forest fires;	Assignment 2	
14	Week 2	Nuclear, biological and chemical disaster, road accident and building collapses.	Class Test 2	
15	Week 3	Regional capacity, preparedness and response; governance and institutions for disaster management		
16	Week 4	Awareness among people, capacity building, state disaster management plan	---	

पाठ – योजना

कक्षा:- स्नातक , तृतीय वर्ष (पंचम सत्र)

सेमेस्टर – (अगस्त- नवंबर 2025

नाम : - कमलेश, सहायक प्रोफेसर, हिन्दी

क्रम सं.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
1	अगस्त सप्ताह प्रथम	भाषा- अर्थ, परिभाषा एवं स्वरूप		
2	अगस्त सप्ताह द्वितीय	भाषा के प्रकार, भाषा की विशेषताएं	---	
3	सप्ताह तृतीय	भाषा की उपयोगिता एवं महत्व	---	
4	सप्ताह चतुर्थ	हिंदी भाषा- उद्भव और विकास	---	
5	सप्ताह चतुर्थ	हिंदी भाषा के विविध रूप- मातृभाषा, राजभाषा राष्ट्रभाषा		
6	सप्ताह पंचम	बोली, उपभाषा और भाषा		
7	सितंबर सप्ताह प्रथम	मानक हिन्दी के तत्व- ध्वनि, शब्द, वाक्य, अर्थ	---	
8	सप्ताह द्वितीय	संचार- अर्थ, परिभाषा, स्वरूप		
9	सप्ताह तृतीय	भाषा की उपयोगिता एवं महत्व		
10	सप्ताह चतुर्थ	भाषा की विशेषताएं		
11	अक्टूबर सप्ताह प्रथम	संचार के प्रकार		
12	सप्ताह द्वितीय	संचार की प्रक्रिया		
13	सप्ताह तृतीय	संचार का महत्व संचार कौशल और व्यक्तित्व विकास		
14	सप्ताह चतुर्थ (19 -10- 25 से 26-10-25)	दिवाली अवकाश		
15	अक्टूबर सप्ताह पंचम	बोली, उपभाषा, भाषा		

क्रम सं.	महीना	प्रकरण	शैक्षणिक गतिविधियाँ	टिप्पणी
16	नवंबर सप्ताह प्रथम	संचार कौशल की प्रासंगिकता	टैस्ट-1	
17	सप्ताह द्वितीय	प्रभावी संचार कौशल व संचार कौशल के 7C	असाइनमेंट-1	
18	सप्ताह तृतीय	संचार कौशल के सिद्धांत		
19	सप्ताह चतुर्थ	पुनरावृत्ति		

LESSON PLAN- 2025-26

NAME OF THE TEACHER- SANJAY KUMAR
CLASS- B.A. III, FIFTH SEMESTER

Subject :- GEOGRAPHY / GEOMORPHOLOGY SECTION -
(20UGGE0501)
2101517

MONTH	THEORY	PRACTICAL
Augul-2025		REMOTE SENSING AND GIS (20UGGE0505)
Week-01	DISCUSS OF THE SYLLABUS AND DEFINITIONS OF GEOMORPHOLOGY, NATURE AND SCOPE OF GEOMORPHOLOGY.	DISCUSS OF THE SYLLABUS AND WORKING PRINCIPLES OF REMOTE SENSING
Week-02	FUNDAMENTAL CONCEPTS OF PLATE TECTONICS	WORKING PRINCIPLES OF REMOTE SENSING
Week-03	GEOLOGICAL TIME SCALE	WORKING PRINCIPLES OF REMOTE SENSING
Week-04	THEORY OF ISOSTASY- PRATT AND AIRY	BASIC CHARACTERISTICS AND INTERPRETATION OF AERIAL PHOTOGRAPHS
SEPTEMBER		
Week-01	ENDOGENETIC FORCES - FOLDS AND ASSOCIATED TOPOGRAPHY	BASIC CHARACTERISTICS AND INTERPRETATION OF AERIAL PHOTOGRAPHS
Week-02	ENDOGENETIC FORCES - FAULTS AND ASSOCIATED TOPOGRAPHY	IDENTIFICATION AND INTERPRETATION OF VARIOUS FEATURES ON SATELLITE IMAGES
Week-03	ENDOGENETIC FORCES - VOLCANOES, EARTHQUAKES AND ASSOCIATED TOPOGRAPHY	IDENTIFICATION AND INTERPRETATION OF VARIOUS FEATURES ON SATELLITE IMAGES
Week-04	EXOGENETIC FORCES - WEATHERING AND MASS WASTING, EROSIONAL AND DEPOSITIONAL LANDFORMS ASSOCIATED WITH OF FLUVIAL PROCESSES. TEST-01 - 24-09-25 Unit-I, II	IDENTIFICATION AND INTERPRETATION OF VARIOUS FEATURES ON SATELLITE IMAGES
OCTOBER		
Week-01	EROSIONAL AND DEPOSITIONAL LANDFORMS ASSOCIATED WITH OF AEOLIAN AND GLACIAL	GIS- GEOREFERENCING DIGITIZATION, LAYOUT MAP

THEORY - GEOMORPHOLOGY 20 UGEO 501 2-10-15/17	<u>PRACTICAL</u> REMOTE SENSING AND GIS (20 UGEO 505)
Week-02 CYCLE OF EROSION- DAVIS AND PENCK	GIS-GEOREFERENCING DIGITIZATION, LAYOUT MAP
Week-03 VACATION DIWALI- 19-10-25- 26-10- 25	
Week-04 APPLICATION OF GEOMORPHOLOGY AND NATURAL HAZARDS - LANDSLIDES, FLOODS TEST No-02- 30-10- 2025 UNIT-III, IV	MAP MAKING AND CHOROPLETH MAPS
<u>NOVEMBER</u> Week-01 NATURAL HAZARDS- EARTHQUAKES AND TSYNAMIS	MAP MAKING AND CHOROPLETH MAPS
Week-02 NATURAL HAZARDS-EARTHQUAKES AND TSYNAMIS	MAPPING WITH GPS AND TOTAL STATION (TS)
Week-03 HYDROLOGY, ENGINEERING GEOLOGY CONSTRUCTION ACTIVITIES AND REGIONAL PLANNING	MAPPING WITH GPS AND TOTAL STATION (TS)
Week-04 REVISION OF FIRST AND SECOND UNIT	COMPLETION OF PRACTICAL WORK
<u>DECEMBER</u> Final- DAY REVISION OF THIRD UNIT	COMPLETION OF PRACTICAL WORK

REVISION OF FIRST AND SECOND UNIT

LESSON PLAN - 2025-26

NAME OF THE TEACHER -

CLASS - MSc - GEOGRAPHY THIRD SEMESTER

SUBJECT - FUNDAMENTALS OF REMOTE SENSING
19 GEO 309

01

MONTH	THEORY
<u>August</u> 2025 Week-01	DISCUSS OF THE SYLLABUS AND HISTORY, DEVELOPMENT, DEFINITIONS, CONCEPT AND PRINCIPLES OF REMOTE SENSING
Week-02	ELECTROMAGNETIC RADIATION (EMR) AND ITS CHARACTERISTICS, WAVELENGTH REGIONS AND THEIR SIGNIFICANCE
Week-03	INTERACTION OF EMR WITH ATMOSPHERE AND EARTH'S SURFACE ABSORPTION, REFLECTANCE AND SCATTERING, ATMOSPHERIC WINDOWS, ENERGY BALANCE EQUATION
Week-04	IMAGING AND NON-IMAGING, ACTIVE AND PASSIVE, MULTISPECTRAL, SUPERSPECTRAL AND HYPERSPECTRAL SENSORS
<u>SEPTEMBER</u> Week-01	ELECTRO - OPTICAL SYSTEMS, OPTO - MECHANICAL SCANNERS, INFRARED SCANNERS
Week-02	SCATTEROMETER, THERMAL PROPERTIES OF TERRAIN, THERMAL IR ENVIRONMENTAL CONSIDERATIONS, THERMAL INFRARED AND THERMAL SCANNERS
Week-03	MICROWAVE REMOTE SENSING CONCEPTS, BACKSCATTERING, RANGE DIRECTION, AZIMUTH, DIRECTION, INCIDENT ANGLE, DEPRESSION ANGLE
Week-04	POLARIZATION, DIELECTRIC PROPERTIES, SURFACE ROUGHNESS AND INTERPRETATION, SPECKLE AND ITS REDUCTION

THEORY - FUNDAMENTALS OF REMOTE SENSING
19 GEO 309

02

MONTH	APPLICATIONS OF OPTICAL THERMAL AND MICROWAVE REMOTE SENSING	
<u>OCTOBER</u> Week-01	CONCEPTS ABOUT DIGITAL IMAGE AND ITS CHARACTERISTICS, SOURCES OF IMAGE DEGRADATION. IMAGE RESTORATION AND NOISE ABATEMENT	
Week-02	VACATION DIWALI - 19-10-25 - 26-10-25	
Week-04	RADIOMETRIC AND GEOMETRIC CORRECTION TECHNIQUE, LINEAR AND NON LINEAR TRANSFORMATION FOR GEOMETRIC CORRECTIONS,	
<u>NOVEMBER</u> Week-01	LOOK-UP TABLES (LUT) AND TYPES OF IMAGE DISPLAYS AND FCC, RADIO METRIC ENHANCEMENT TECHNIQUES, SPATIAL ENHANCEMENT TECHNIQUES, CONTRAST STRETCHING, LINEAR AND NON LINEAR METHODS	
Week-02	LOW PASS FILTERING, IMAGE SMOOTHING, HIGH PASS FILTERING, EDGE ENHANCEMENT AND EDGE DETECTION GRADIENT FILTERS, DIRECTIONAL AND NON-DIRECTIONAL FILTERING	
Week-03	CONCEPT OF PATTERN RECOGNITION, MULTI-SPECTRAL PATTERN RECOGNITION, SPECTRAL DISCRIMINATION, SIGNATURE BANK, PARAMETRIC AND NON-PARAMETRIC CLASSIFIERS	
Week-04	UNSUPERVISED CLASSIFICATION METHODS, SUPERVISED CLASSIFICATION TECHNIQUES, LIMITATIONS OF STANDARD CLASSIFIERS	
DECEMBER Week-01	REVISION OF THIRD UNIT	

Lesson Plan

(M.D.C)

Class: B.Sc. & B.A. IInd Subject: Geography Paper: Resource of India
 Teacher Name: Pavni Singh 25 UN- GEO- MDC-301
 Session: 2025-2026 (3rd semester)

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
	Aug.	1 st	Agriculture: → Environmental, technological and industrial factors affecting India agriculture.		
		2 nd	Crops: → Rice, wheat		
		3 rd	Crops: → 1. Sugarcane 2. Tea.		
		4 th	Water resources: development and means of irrigation intensity of irrigation.		
	Sep.	1 st	Development and management of water resource.	Test-I	
		2 nd	National water mission and Policy: → Jal Shakti Abhiyan.		
		3 rd	Economic significance of Minerals Production distribution and trade of metallic minerals.		
		4 th	Minerals: → Iron ore and bauxite,		

Lesson Plan

(MDC)

Class: B.Sc & B.A. Subject: Geography Paper: Resources of India
 Teacher Name: Tasvir Singh
 Session: 2025-2026 (3rd semester) 25UN-GEO-MDC-301

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
	Oct.		Minerals:- mica and Limestone.		
		1st	Problems of mining industry and conservation of minerals.	Test-II	
		2nd	Energy Resources:- coal.		
		3rd	Diwali Break		
			Energy Resources - Petroleum.	Assignment	
	Nov.	4th	Non-conventional energy resources - Solar.	Mid-Term Exam. 12.11.2025	
		1st	Wind non conventional energy resource.		
		2nd			
			Revision		
		3rd			
			Revision.		
		4th			

Lesson Plan (Major & Minor)

Class: B.A. Ind Subject: Geography Paper: Geography of India
 Teacher Name: Tasvir Singh
 Session: 2025-2026 (3rd Semester) 24 UN-GEO-301

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
Aug.		1st	Physical division of India: - The Himalayan mountain complex. The great Plain of north India		
		2nd	The Peninsular Plateau & The coastal Plains, Indian Islands.		
		3rd	Drainage system: - The Himalayan Rivers & The Peninsular Rivers		
		4th	Climate of India: - factors & seasons of India, Soils in India: Types, characteristics.		
Sep.		1st	Natural Vegetation in India Major agricultural crops: - Rice, wheat.		
		2nd	Cash crops: - cotton, Sugarcane Tea,	Test-I	
		3rd	cropping pattern Kharif, Rabi, Zaid, coffee.		
		4th	Development of irrigation sources. Canals, Tubewells.		

(Major & Minor)

Lesson Plan

Class: B.A. Ind Subject: Geography Paper: Geography of India
Teacher Name: Tasvir Singh
Session: 2025-2026 (3rd semester) 24 UN-UNEO-301

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
Oct.		1st	Population distribution & density and growth.		
		2nd	Population Composition :- Sex Ratio Rural & urban population		
		3rd	Diwali Break		
		4th	Literacy, workforce, language and religion.	<u>Assignment</u>	
Nov.		1st	Resources :- Iron ore, coal, Petroleum.		
		2nd	Hydro power, solar and thermal power.	Mid-Term Exam 14.11.25 (Major) 13.11.25 (Minor)	
		3rd	Industries :- Iron and steel. Sugar industries.		
		4th	Cotton textile industries, communication.		

(Major & Minor)

Lesson Plan

Class: B.A. Indol Subject: Geography Paper: Geography of India

Teacher Name:.....Tasvir Singh.....

Session: 2025-2026 (3rd semester) 24 UN-Geo-301

[illegible]

Lesson Plan

Class: MISC. (F) Subject: Geography Paper: Environmental Geog.
 Teacher Name: Tasvira Singh 19UGEC305
 Session: 2025-2026 (2nd semester) odd semester

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
Aug.		1st	Scope of Environmental geography, basic Principle of Environmental geography.		
		2nd	Composition and types of environment, Ecological Principles.		
		3rd	Man - Environment relationship, Restoration of Ecology.		
		4th	Ecosystem:- Concepts and components, Trophic levels.		
Sep.		1st	Food chain and food webs, Energy flow in the ecosystem.		
		2nd	Ecosystem stability, high land, Low land interaction-system.		
		3rd	Human ecological adaptation. Concept of ecosystem, Environmental degradation.	Class Test-I	
		4th	Environmental Pollution (air, water)		

Lesson Plan

Class: M.Sc. (F) Subject: Geography Paper: Environmental Geog.
 Teacher Name: TASVIR SINGH 19 Geo 305
 Session: 2025 - 2026 (3rd semester) odd semester

Sr. No.	Schedule		Lesson to be covered	Activities	Remarks
	Month	Week			
	Oct.		Environmental Pollution solid waste, Ganga Pollution & Ganga action plan.		
		1st	Environmental Problems - Global Warming, Ozone depletion, Green house effects,		
		2nd			
		3rd	Diwali Break		
		4th	Global ecological unbalances, wetland ecosystem with reference to Haryana. Environmental Management Concept.		
	Nov.		Environmental management approaches ecosystem management strategies environmental dimension in planning.	Assignment	
		1st	Sustainable development, eco-development limits to growth.		
		2nd			
		3rd	Environmental consciousness. national environmental policies and programmes.	Class Test - II	
		4th	Carbon Trading Paris Climate summit and environmental footprints.		

Lesson Plan

Class: M.Sc. (F) Subject: Geography Paper: Environmental G
Teacher Name: Pavni Singh
Session: 2025 - 2026 (3rd Semester) 19600305 odd semester

[illegible]

Lesson plan

Class: B. Com -III

Semester – 5th Management Accounting :2025-26

Name of Teacher: Sh. Rakesh

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August (Week1)	Introduction to Management Accounting Management Accounting- Nature and Scope, Significance,		
2	Week 2	: Limitations, Techniques/ Methods of Management	---	
3	Week 3	Accounting, Financial Accounting vs Cost Accounting vs Management Accounting	class –test---	
4	Week 4	Management Accountant: Position and Role, ,	---	
5	September (Week 1)	Essential Qualities and Responsibilities		
6	Week 2	Contemporary Issues in Management Accounting		
7	Week 3	Contemporary issues in Management Accounting- Value		

Lesson plan

8	Week 4	Chain Analysis, Activity Based Accounting, Balanced Scorecard- Elements, . Advantages and Disadvantages	Class test	
9	October Week 1	CVP Analysis: Assumptions and its Applications		
10	Week 2	Standard Costing and Transfer Pricing		
11	Week 3	Standard Costing: Concept, Advantages; Types of Standards		
12	Week 4	Diwali Vacation		
13	Week 5	Variance Analysis: Materials, Labour, Overhead: Managerial Uses of Variances		
14	November (Week 1)	Transfer Pricing-Concept and Methods Responsibility Accounting: Meaning, Definition,	assignment	

Lesson plan

15	Week 2	Advantages, Responsibility Centres Total Quality Management: Meaning. Definition, Advantages, Primary Elements of TQM, Implementing TQM,	Mid Term Exam	
16	Week 3	History and Evolution, Deming's 14 Points for TOM, TOM Resources		
17	Week 4	Revision		
18	December Week 1	Examination		

Lesson plan

Class: Bcom- 1st Year

Semester – 1st Sem (Financial Accounting) Session: 2025-26

Name of Teacher: Sh. Rakesh

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August (Week 1)	Objective and scope of financial accounting, book keeping, accounting principals		
2	Week 2	, concepts and conventions, accounting cycle and accounting equation, branches of accounting	---	
3	Week 3	journal; rules of journalizing; ledger & trial balance; banking	-class –test---	
4	Week 4	transactions and bank reconciliation statement; rectification of errors: suspense account; effect on profit.	---	
5	September (Week 1)	Capital and Revenue: Concept and classification of income; expenditure; receipts (with relevant accounting standards)		
6	Week 2	Depreciation provisions and reserves: concept and classification; Methods of depreciation accounting (with relevant accounting standards)		

Lesson plan

7	Week 3	Final Accounts: manufacturing, trading, profit & loss account; Balance sheet; adjustment entries.		
8	Week 4	Accounts of Non-profit Organizations: Receipt & payment account, income and expenditure account and balance sheet.		
9	October Week 1	Consignment Accounts: accounting records; Normal and abnormal Loss, valuation of unsold stock.		
10	Week 2	Accounting for joint ventures: distinction between joint ventures and		
11	Week 3	income tax: Concepts Assesse, person, previous year, assessment year, gross total income, total income, casual income, virtual digital set; Role of PAN and Aadhar number in income tax; Maximum Marginal Rate of Tax: Alternate Minimum Tax; Agricultural Income: Tax evasion, Tax avoidance, Tax planning and Tax management.		
12	Week 4	Diwali Vacation		

Lesson plan

13	Week 5	Computation of incomes based on residential status of individuals, HUFs, Company and other persons; Determining incomes taxable and exempt under the head salaries (including retirement benefits and provisions) and income from house property		
14	November (Week 1)	Computation of taxable incomes and exemptions under the head profits and gains of business or profession (including Depreciation provisions), Capital Gains.;	assignment	
15	Week 2	Income from other sources, Clubbing and aggregation of incomes Set off and carry forward of losses,	Mid Term Exam	
16	Week 3	Exempted incomes.		
17	Week 4	Revision		
18	December Week 1	Revision Examination		

Lesson Plan –2025-2026

Class: B.A. 1st year

Semester: 1st (Aug-Dec. 2025)

Subject: MDC- Physics

Paper: Physics Fundamentals–I (24UNPHY-104)

Name of Teacher: Sh. Anand Kumar

Month	Topics to be covered	Academic Activity
August Week 1	Physics-Nature, scope & excitement, Major discoveries in physics, major contribution by Indian Physicists Fundamental physical constants, Physics in relation to other sciences, impact of physics on society and on latest development in science & technology.	
Week 2	System of Measuring Units-Need for measurement, measuring process, concept of mass, length, time; Fundamental and derive units, system of units, concepts of error, types of error (only definition),	
Week 3	Accuracy and precision in measurement, least count and applications of measuring instruments - Vernier caliper, Screw Gauge	
Week 4	Motion of objects in one dimension- position of the object, origin/reference point, frame of reference, definitions and examples of motion in one, two and three dimension,	Unit test
Sept. Week 1	Scalar and Vector quantities, description of motion along a straight line- distance and displacement, uniform motion and non- uniform motion, average and instantaneous speed	
Week 2	Average and instantaneous velocity, acceleration; graphical analysis of straight line motion- distance-time graph, velocity-time graph, equation of motions and their application	
Week 3	Causes of motion- concept of force, Newton's 1st law of motion, inertia and mass; Newton's 2nd law of motion	Unit Test
Week 4	Momentum and force; 3rd law of motion,	

October Week 1	daily life applications of Newton's laws of motion.	
Week 2	Universal law of gravitation and its importance, acceleration due to gravity and free fall of a body	
Week 3	mass and weight of an object on earth and moon	Assignment
Week 4	concept of thrust and pressure and importance in daily life,	
Nov. Week 1	buoyancy and Archimedes principle-the physics behind floating of objects on water	
Week 2	Work, energy, types of energy-Kinetic energy and Potential energy	Mid-term exam
Week 3	, P.E. of an object at a height; law of conservation of energy and its applications	
Week 4	Conservation of linear and angular momentum, collision (elastic and inelastic)	Unit Test
Dec. Week1	Conservation laws in collisions- importance in daily life; concepts of center of mass-Physics behind cycling, rock climbing and skating	
Week2	revision & Problem discussion	Revision

Lesson Plan –2025-2026

Class: B.Sc. 1st year

Semester: 1st (Aug-Dec 2025)

Subject: Physics

Paper: Mechanics (24UN-PHY-101)

Name of Teacher: Sh. Anand Kumar

Month	Topics to be covered	Academic Activity
August Week 1	Fundamentals of Dynamics: Rigid body, Moment of Inertia, Radius of Gyration, Theorems of perpendicular and parallel axis (with proof) Moment of Inertia of ring, Disc, Angular Disc, Solid cylinder, Solid sphere, Hollow sphere, Rectangular plate, Square plate, Solid cone, Triangular plate	
Week 2	Torque, Rotational Kinetic Energy, Angular momentum, Law of conservation of angular momentum, Rolling motion, condition for pure rolling,	
Week 3	Acceleration of body rolling down an inclined plane, Fly wheel, Moment of Inertia of an irregular body.	
Week 4	Elasticity: Deforming force, Elastic limit, stress, strain and their types, Hooke's law, Modulus of rigidity, Relation between shear angle and angle of twist, elastic energy stored/volume in an elastic body, Elongation produced in heavy rod due to its own weight and elastic potential energy stored in it,	unitTest
Sept. Week 1	Tension in rotating rod, Poisson's ratio and its limiting value, Elastic Constants and their relations. Torque required for twisting cylinder, Hollow shaft is stiffer than solid one. Bending of beam, bending moment and its magnitude, Flexural rigidity,	
Week 2	Geometrical moment of inertia for beam of rectangular cross-section and circular cross-section. Bending of cantilever (loaded by a weight W at its free end), weight of cantilever uniformly distributed over its entire length.	
Week 3	Dispersion of a centrally loaded beam supported at its ends, determination of elastic constants for material of wire by Searle's method	unitTest

Week 4	Special Theory of Relativity: Michelson's Morley experiment and its outcomes, Postulates of special theory of relativity,	
October Week 1	Lorentz Transformations	
Week 2	Simultaneity and order of events, Lorentz contraction, Time dilation, Relativistic transformation of velocity, relativistic addition of velocities	
Week 3	variation of mass-energy equivalence, relativistic Doppler effect, relativistic kinematics,	Assignment
Week 4	Transformation of energy and momentum, transformation of force, Problems of relativistic dynamics	
Nov. Week 1	Gravitation and central force motion: Law of gravitation	unit Test
Week 2	Potential and field due to spherical shell and solid sphere. Motion of a particle under central force field,	Mid term exam
Week 3	Two body problem and its reduction to one body problem and its solution, compound pendulum or physical pendulum in form of elliptical lamina and expression of time period	Revision
Week 4	determination of g by means of bar pendulum, Normal coordinates and normal modes, Normal modes of vibration for given spring mass system,	
Dec. Week 1	Possible angular frequencies of oscillation of two identical simple pendulums of length (l) and small bob of mass (m) joined together with spring of spring constant (k).	
Week 2	Revision	

Teaching Plan – Cost Accounting-1

Class: Bcom 3rd year

Semester – 5th (August- Dec 2025)

Name of Teacher: Rakesh

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1	August Week 1	Cost Accounting: Meaning, Features, Scope, Cost Accounting: Techniques, and methods		
2	Week 2	. Objectives, Importance and Limitations, Costing;	---	
3	Week 3	Cost Accountancy, Cost Centres and Profit Centres. Cost: Main Elements and Types.	---	
4	Week 4	Material Control: Meaning and Objectives of Material Control, Material Purchase Procedure.		
5	September Week 1	Fixation of Inventory Levels- Reorder Level, Minimum Level, Maximum Level, Danger Level,		
6	Week 2	EOQ analysis, Methods of Valuing Material Issues.	Assignment 1	
7	Week 3	Wastage of material - main types.	Class Test 1	

8	Week 4	Labour Cost Control: Importance, methods of time keeping and Time Booking; Treatment and control of Labour Turnover.		
9	October Week 1	Idle Time. Overtime, Systems of Wage Payment-Time Wage System, Piece Wage System.		
10	Week 2	Incentive Wage plans- Individual plans and group plans.		
11	Week 3	Diwali Break		
12	Week 4	Basics of Overhead. Types of Overhead,	Assignment 2	
13	November Week 1	Collection and Classification,	Class Test 2	
14	Week 2	Allocation and Apportionment,		
15	Week 3	Absorption of Overheads		
16	Week 4	Machine Hour Rate		
17	December Week 1	Examination		

Teaching Plan – Advanced Climatology

Session-2025-26

Class: - M.Sc Geography

Semester – 1st Sem.

(August – December 2025)

Name of Teacher : Dr Anil Kumar

Sr. No.	Month	Topics to be covered	Academic Activity	Remark
1.	August Week 1	Climatology: Definition, nature and scope; Climatology and Meteorology. Atmosphere: Structure and Thermodynamics		
2.	Week 2	Global Energy Balance, Radiation Laws, Heat Transfer Mechanism, Jet Streams	---	
3.	Week 3	General Circulation of Atmosphere, Walker Circulation, ENSO And Monsoon Systems	---	
4.	Week 4	Atmospheric Stability, Cloud Microphysics, Precipitation Process		
5.	September Week 1	Contemporary Approaches; Numerical Modelling, Climate system Feedbacks	Class Test 1	
6.	Week 2	Climate Classification, Variability and Dynamics: Classical and Modern Climate Classifications of Thornthwaite, Trewartha and Koppen, Empirical Systems		

7.	Week 3	Inter-annual,Decadal and Centennial climate variability,Paleoclimatology:Proxies, Methods and Climatic Reconstructions	Seminar on Changing Climatic Conditions	
8.	Week 4	Regional Climatology with special reference to India:Monsoon Dynamics,Droughts and Extreme weather events		
9.	October Week 1	Synoptic and meso-scale meteorology,Role of teleconnections,Climate Change Science and Applications		
10.	Week 2	IPCC Framework,Greenhouse Gases,Radiative Forcing,Anthropogenic Emissions		
		Deepawali Break 19-26 October		
11.	Week 3	Climate Models and Scenerios,Observed and Projected climate Trends i.e.Temperature, Precipitation and Sea level rise	Assignment	
12.	Week 4	Impacts on ecosystems,Agriculture, water resources and Human health		
13.	November Week 1	Climate change mitigation,Adaptation and policy(UNFCCC,Paris Agreement)	Class Test 2	
14.	Week 2	Role of Geospatial Technologies in Climate Research		
15.	Week 3	Anthropogenic impacts on		

		geomorphic systems of urbanization,minning,damming		
16.	Week 4	Earth System Science Perspective, Classifications of Koppen and Empirical Systems		

Teaching Plan – Urban Geography and Lab Work Practical

Class: M.Sc Geography

Semester – 3rd Sem. (August –December, 2025)

Name of Teacher: Dr Anil kumar

Sr. No.	Month	Topics to be covered	Academic Activity	Practical of lab work on Aerial Photographs and Satellite images
1	August Week 2	Definition of urban geography , Urbanization and urbanism; meaning and importance, Nature and scope of urban geography		Understanding Remote Sensing Data
2	August Week 3	Origin and growth of urban geography, Different stages of urban system, Theory of Conurbation and Megalopolis	---	Import/Export of Satellite Data
3	August Week 4	Urban Theory of Lewis Mumford and Griffith Taylor, Urban Population and its Characteristics, Ancient Urban System in Indian Civilization	---	Digital Interpretation Of Earth Surface Features in standard FCC
4	September Week 1	Medieval and Modern Urban System in India, Trend of Urbanization in India and World	---	Geo- referencing
5	September Week 2	Definition and meaning of city and region, Spatial Linkages and interaction between Rural and Urban Areas, Rural Urban fringe	Assignment 1	Geo- Coding

6	September Week 3	Meaning and Spatial Network Framework of Suburbanization, Central Place Theory of Christaller, losch and Walter Isard		Unsupervised Classification
7	September Week 4	Size and Spacing of Cities, Theory of Rank Size Rule, Theory of Primate City Function of Cities of , Classification, Concepts and Scheme of Classification	Class Test1	Supervised Classification
8	October Week 1	Meaning, Definition of Urban Morphology, Land use Pattern in Urban Areas, Model of City structure, Concentric zone Model by E.W.Burgess	--	Radiometric Corrections
9	October Week 2	Theory of Sector Model By Homer Hoyet, Multiple Nuclei Model by Harrish and Ullman, Contemporary Urban Morphology in Globalization	---	Atmospheric Corrections
10	October Week 3	Features og Global City, Pattern and Trends of Urbanization in India, Problem of Urban slums in India		Study of Various Contrast Enhancement Techniques
11	October Week 4	Diwali vacation	---	
12	November Week 1	Environmental Issues, Problem of Overcrowding Transportation and Mobility	Assignment 2	Spatial Enhancement
13	November Week 2	Meaning and Features of Urban Inequility, Urban Poverty, Slums and Squatter Housing in India	Class Test2	Assignment and Practice of lab work

14	November Week 3	Access of Housing Amenities, Urban Basic Services, Quality of Urban Life, Urban Planning in India		Class Test of Urban planning in India
15	November Week 4	National Urban Policy, Case study of Master Plan of Delhi and Chandigarh. Study of Smart and Sustainable Cities	---	Seminar on Sustainable smart cities