Lesson Plan

Subject: Population Geography and Development

Submitted by:

Ashok Kumar
Assistant Professor
Department of Geography

Weekly Grouped Lesson Plan (Thu-Fri-Sat) (21.08.2025 - 30.11.2025)

Week 1

Date	Day	Topic
21-08-2025	Thursday	Nature, scope, and significance of population geography
22-08-2025	Friday	Classical demographic theories: Malthus
23-08-2025	Saturday	Classical demographic theories: Marx

Week 2

Date	Day	Topic
28-08-2025	Thursday	Neo-Malthusianism
29-08-2025	Friday	Demographic Transition Theory
30-08-2025	Saturday	Spatial distribution of population: global patterns

Week 3

Date	Day	Topic
04-09-2025	Thursday	Spatial distribution: regional patterns
05-09-2025	Friday	Population density factors
06-09-2025	Saturday	Age-sex pyramid

Week 4

Date	Day	Topic
11-09-2025	Thursday	Dependency ratio
12-09-2025	Friday	Literacy and education
13-09-2025	Saturday	Workforce participation

Week 5

Date	Day	Topic
18-09-2025	Thursday	Population data: census
19-09-2025	Friday	Population data: surveys

20-09-2025	Saturday	Population data: civil registration & reliability

Week 6

Date	Day	Topic
25-09-2025	Thursday	Population growth & economic development
26-09-2025	Friday	Population growth & human development
27-09-2025	Saturday	Population-resource-environment nexus

Week 7

Date	Day	Topic
02-10-2025	Thursday	Sustainable Development Goals (SDGs)
03-10-2025	Friday	Demographic indicators
04-10-2025	Saturday	Urbanization

Week 8

Date	Day	Topic
09-10-2025	Thursday	Internal migration
10-10-2025	Friday	Development corridors
11-10-2025	Saturday	Population policies: India

Week 9

Date	Day	Topic
16-10-2025	Thursday	Population policies: China
17-10-2025	Friday	Population policies: Sweden
18-10-2025	Saturday	Population policies: Kenya

Week 10

Date	Day	Topic
30-10-2025	Thursday	Population ageing: health implications
31-10-2025	Friday	Population ageing: economic implications
01-11-2025	Saturday	Gender and population: sex ratio

Week 11

Date	Day	Topic
06-11-2025	Thursday	Female literacy
07-11-2025	Friday	Reproductive health
08-11-2025	Saturday	Empowerment & gender equality

Week 12

Date	Day	Topic
13-11-2025	Thursday	Climate change and population vulnerability
14-11-2025	Friday	Environmental migration
15-11-2025	Saturday	Climate refugees

Week 13

Date	Day	Topic
20-11-2025	Thursday	Geospatial technologies in population mapping
21-11-2025	Friday	Demographic change analysis
22-11-2025	Saturday	Population dashboards

Week 14

Date	Day	Topic
27-11-2025	Thursday	UN DESA tools
28-11-2025	Friday	IPUMS & WorldPop
29-11-2025	Saturday	Nature, scope, and significance of population geography

Lesson Plan: B.A. 111 Semester - Geography of India (1 Aug 2025 - 1 Dec 2025)

Week	Topics
(01-Aug-2025 to 07-Aug-2025)	Unit I: Physical divisions and drainage system
(08-Aug-2025 to 14-Aug-2025)	Unit I: Climate, soils, and natural vegetation
(15-Aug-2025 to 21-Aug-2025)	Unit II: Agricultural crops – major crops and cropping pattern
(22-Aug-2025 to 28-Aug-2025)	Unit II: Development of irrigation systems: canals and tubewells
(29-Aug-2025 to 04-Sep-2025)	Unit III: Population composition – sex ratio, rural and urban
(05-Sep-2025 to 11-Sep-2025)	Unit III: Population composition – literacy, language, religion
(12-Sep-2025 to 18-Sep-2025)	Unit IV: Resources – production & distribution of iron ore, coal, petroleum, hydropower, solar & therm
(19-Sep-2025 to 25-Sep-2025)	Unit IV: Industries – iron & steel, sugar, cotton textile, IT industry
(26-Sep-2025 to 02-Oct-2025)	Unit V (Practical): Watershed delineation, Land use mapping of India
0 (03-Oct-2025 to 09-Oct-2025)	Unit V (Practical): Population density, literacy mapping, occupational structure
1 (10-Oct-2025 to 16-Oct-2025)	Unit V (Practical): Transport & industrial region mapping
2 (31-Oct-2025 to 06-Nov-2025)	Unit V (Practical): Rainfall variation diagrams, cropping intensity & irrigation mapping
(07-Nov-2025 to 13-Nov-2025)	Revision, past paper discussion, student seminars
(14-Nov-2025 to 20-Nov-2025)	Extra Revision / Assessments
(21-Nov-2025 to 27-Nov-2025)	Extra Revision / Assessments
(28-Nov-2025 to 01-Dec-2025)	Extra Revision / Assessments

M.N.S. Govt. PG College, Bhiwani			
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Lesson Plan of paper: 19 GEO 309 Fundamentals of Remote Sensing Session: 2025-26			
Subject: Geography		**Class: M. Sc 3rdSem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2025**	**Topic**	
1	Aug 1st Weak	Remote Sensing: History, Development, Definition, Concept & Principles.	
2	Aug.2nd Weak	Electromagnetic Radiation (EMR) and Its Characteristics, Wavelength Regions and their Significance.	
3	Aug .3th weak	Interaction of EMR with Atmosphere and Earth's Surface.	
4	Aug.4th weak	Absorption, Reflectance and Scattering, Atmospheric Windows, Energy Balance Equation.	
5	Sept.1st weak	Imaging and Non-Imaging, Active and Passive, Multispectral, Super spectral and Hyper spectral Sensors, Electro-Optical Systems, Opto-Mechanical Scanners.	
6	Sep.2nd weak	Infrared Scanners, Scatterometer, Thermal Properties of Terrain, Thermal IR Environmental Considerations, Thermal Infrared and Thermal Scanners.	
7	Sep.3th weak	Microwave Remote sensing concepts: Backscattering, Range Direction, Azimuth Direction, Incident Angle, Depression Angle, Polarization, Dielectric Properties.	
8	Sep.4th weak	Surface Roughness and Interpretation, Speckle and Its Reduction, Applications of optical, thermal and microwave remote sensing.	
9	Oct. 1st weak	Concepts about digital image and its characteristics, Sources of image degradation - Image restoration and Noise Abatement, Radiometric.	
10	Oct. 2ndweak	Geometric correction technique, linear and nonlinear transformation for geometric corrections.	
11	Oct.3rd weak	Look-up Tables (LUT) and Types of image displays and FCC.	
12	Nov. 1st weak	Radiometric enhancement techniques, Spatial enhancement techniques, Contrast stretching: Linear and non-linear methods, Low Pass Filtering	
13	Nov. 2nd weak	Image smoothing, High Pass Filtering: Edge enhancement and Edge detection, Gradient filters, Directional and non-directional filtering.	

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Lesson Plan:19 GEO 309 Fundamentals of Remote Sensing Session: 2025-26			
Subject: Geography		**Class: M. Sc 2nd Sem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2024**	**Topic**	
1	Nov.3rd Weak	Concept of Pattern Recognition, Multi-spectral pattern recognition, Spectral discrimination, Signature bank, Parametric and Non-Parametric classifiers.	
2	Nov.4th Weak	Unsupervised classification methods, Supervised classification techniques, Limitations of standard classifiers.	
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M.N.S. Govt. PG College, Bhiwani			
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Lesson Plan of paper: Digital Cartography & Morphometric Analysis (Practical) Session: 2025-26			
Subject: Geography		**Class: M. Sc1stSem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2025**	**Topic**	
1	Aug 1st Weak	Exploring the GIS environment: QGIS, ArcGIS, Global Mapper, Working with vector and raster datasets, Understanding file formats.	
2	Aug.2nd Weak	shapefiles, GeoTIFFs, CSVs, Managing layers, attributes, metadata, Coordinate systems and layer properties.	
3	Aug .3th weak	Types of map scales: representative fraction, verbal, and graphical**,** Understanding coordinate reference systems (CRS) and UTM/Zones**.**	
4	Aug.4th weak	Transformation and reprojection of spatial data, Using EPSG codes and custom projections in GIS.	
5	Sept.1st weak	**Cartographic Design and Thematic Mapping:** Principles of map design: visual hierarchy.	
6	Sep.2nd weak	color, symbology, typography, Preparation of thematic maps: land use, rainfall, soil, drainage.	
7	Sep.3th weak	**Use of classification methods:** natural breaks, quantiles, equal interval, Creating legends.	
8	Sep.4th weak	north arrows, scale bars, inset maps, Map layout preparation and export for publication.	
9	Oct. 1st weak	**Terrain Analysis Using Digital Elevation Models (DEMs):** Sources of DEMs: SRTM, ASTER, LiDAR,	
10	Oct. 2ndweak	Generating slope, aspect, hillshade, and contour maps.	
11	Oct.3rd weak	Elevation profiling and 3D surface visualization.	
12	Nov. 1st weak	**Linear and Areal Morphometric Analysis:** Stream ordering (Strahler and Horton), stream length, bifurcation ratio.	

13	Nov. 2nd weak	Drainage density, stream frequency, texture ratio, Basin shape indices: form factor, circularity ratio, elongation ratio, Relief aspects: basin relief, ruggedness number.
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Lesson Plan of paper: Digital Cartography & Morphometric Analysis (Practical) Session: 2025-26		
Subject: GEOGRAPHY	**Class: M. Sc 1st Sem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2024**	**Topic**
1	Nov.3rd Weak	**GIS-Based Watershed Delineation and Analysis**: Watershed boundary delineation from DEMs, Flow direction, accumulation.
2	Nov.4th Weak	Stream network extraction, Sink filling and hydrologic correction, Sub-watershed analysis and prioritization using morphometric parameters.
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Lesson Plan of paper: Physical Geography **Session: 2025-26**			
Subject: Geography		**Class: M. Sc 3rd Sem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2025**	**Topic**	
1	Aug 1st Weak	Interior of the earth.	
2	Aug.2nd Weak	Introduction to geological time scale.	
3	Aug .3th weak	Rocks and their types.	
4	Aug.4th weak	Theory of isostasy, continental drift and plate tectonic.	
5	Sept.1st weak	Degradational processes: weathering.	
6	Sep.2nd weak	Mass wasting.	
7	Sep.3th weak	Landforms generated by following geomorphic agents	
8	Sep.4th weak	River, wind and glacier.	
9	Oct. 1st weak	Weather and climate.	
10	Oct. 2ndweak	Atmosphere-composition and structure.	
11	Oct.3rd weak	Atmospheric temperature.	
12	Nov. 1st weak	Pressure and moisture and their distribution.	

13	Nov. 2nd weak	Surface configuration of ocean floors
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Lesson Plan : Physical Geography **Session: 2025-26**		
Subject: Geography	**Class: M. Sc 2nd Sem**	**Teacher's Name: Sh. Monu kumar**
Sr. No.	**Weak Wise 2024**	**Topic**
1	Nov.3rd Weak	Pacific, Atlantic and Indian Ocean.
2	Nov.4th Weak	Circulation of oceanic waters: current of the Pacific, Atlantic and Indian Ocean.
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Lesson Plan

Session: 2025-26 (Odd Semester)

Department: Geography **Class: MSc. Previous**
Paper: Statistical Methods in Geography **Semester: 1st**
Paper Code: 19-GEO-104 **Teacher: Mrs. Khushbu**

Week/Month 2023	Topic or Chapter to be covered	Assignment/Test/ Remarks
August week 1st	Familiar with Syllabus	
August Week 2nd	Geography and statistics, significance of statistics in geographical studies.	
August Week 3rd	Types and sources of data	
August Week 4th	Measures of central tendency: mean, median and mode	
August Week 5th	Measures of central tendency: mean, median and mode	
September Week 1st	Measures of central tendency: mean, median and mode	**Assignment**
September Week 2nd	standard deviation,	
September Week 3rd	Coefficient of variance	
September Week 4th	Probaility distribution	
September Week 5th	Data visualization	**Test**
October Week 1st	Bivariate and multiple correlation analysis	
October Week 2nd	Linear regression	
October Week 3rd	Hypothesis formulation, significance testing	
October Week 5th	Levels of confidence , T-Test, U- Test	
November Week 1	Principal component analysis and Factor analysis, cluster analysis and spatial classification	**Test**
November week 2	Discriminant analysis and canonical correlation, Time series analysis and trend forcasting in climatology and demography	
November week 3	Introduction to Geostatistics ; Kriging, interpolation, and spatial modelling , Use of R, SPSS, and GIS for spatial statistical computation	

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Lesson Plan of paper: Urban Geography			
Subject: Geography		**Class: M. Sc 3rdSem**	**Teacher's Name: Mrs. Khushbu**
Sr. No.	**Weak Wise 2025-26**	**Topic**	
1	Aug 1st Weak	Defining Urban, Urbanization and Urbanism; Urban Geography: Definition, nature and scope origin growth.	
2	Aug.2nd Weak	Stages of urban systems; (Conurbation, Megalopolis, etc.) Lewis Mumford & Griffith Taylor.	
3	Aug .3th weak	Urban population characteristics, Urban systems in Ancient Civilization.	
4	Aug.4th weak	Medieval and Modern India. Trend of Urbanization in World & India.	
5	Sept.1st weak	City and region; Spatial linkages (rural urban linkages) and interactions; Rural Urban fringe, Suburbanization.	
6	Sep.2nd weak	Spatial network framework - Central Place Theory: Christaller, Losch.	
7	Sep.3th weak	Walter Isard; Size and spacing of cities: Rank Size Rule, Primate City.	
8	Sep.4th weak	Functional classification of cities: concepts and scheme of classification.	
9	Oct. 1st weak	Urban Morphology and land use; Models of city structure.	
10	Oct. 2ndweak	Concentric Zone model by E.W. Burgess, Sector model by Homer Hoyet.	
11	Oct.3th weak	Multiple nuclei model by Harris and Ullman. Contemporary urban morphology in the wake of globalization – global city.	
12	Oct.4th Weak	Vacation of Dipawali.	
13	Nov. 1st weak	Urbanisation in India: Patterns and Trends; Urban problems: Environmental issues, overcrowding, transportation and mobility; Urban Inequality.	
13	Nov. 2nd weak	Urban Poverty, Slums & squatter housing, access to housing and amenities; Urban basic services.	
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Lesson Plan : Urban Geography			
Subject: Geography		**Class: M. Sc 3rd Sem**	**Teacher's Name: Mrs.Khushbu**
Sr. No.	**Weak Wise 2024**	**Topic**	
1	Nov.3rd Weak	Quality of Urban Life; Urban Planning in India: National urban policy,	
2	Nov.4th Weak	Study of master plans of Delhi and Chandigarh; The Smart & sustainable cities.	
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Lesson Plan

Session: 2025-26 (Odd Semester)

Department: Geography **Class: B.A Final**

Paper: Remote Sensing & GIS (Practical) **Semester: 5th**

Paper Code: **Teacher: Mrs. khushbu**

Week/Month 2025	Topic or Chapter to be covered	Assignment/Test/ Remarks
August week 1st	Familiar with Syllabus	
August Week 2nd	Remote Sensing: Working Principles	
August Week 3rd	Basic Characteristics of Aerial Photographs	
August Week 4th	Interpretation of Aerial Photographs	
August Week 5th	Identification of various features on Satellite Images	
September Week 1st	Interpretation of various features on Satellite Images	
September Week 2nd	Basic Concept and Component of GIS	
September Week 3rd	GIS: Georeferencing	
September Week 4th	GIS: Digitization	
September Week 5th	GIS: Layout map	
October Week 1st	GIS: Map making and Choropleth Maps	
October Week 2nd	Basic Concept of GPS and their types	
October Week 3rd	Mapping with GPS (Global Positing System)	
October Week 4th	Mapping with Total Station (TS)	
October Week 5th	Preparation of Viva-Voice	
November	Preparation of Viva-Voice	

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Physical Geography

Class B.A. 1st Sem. (2025-2026)

Name of the Teacher: Ms. Sanchit

Month , Week	
August 1st week	Interior of earth, geological time scale, rocks and its types
August 2nd week	Isostasy theories, earthquakes and volcanoes
August 3rd week	Continental drift and plate tectonics
August 4th week	Weathering , mass wasting and resultant landforms
September 1st week	Landforms generated by geomorphic agents
September 2nd week	Atmosphere composition and structure
September 3rd week	Atmospheric temperature and pressure
September 4th week	Moisture measurement and distribution
October 1st week	Surface relief of Atlantic ocean
October 2nd week	Surface relief of Indian and pacific ocean
October 3rd week	Currents of Atlantic ocean
October 4th week	holidays
November 1st week	Currents of Pacific Ocean
November 2nd week	Test and assignment and revision

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Oceanography

Class M.sc. 3rd Sem. (2025-2026)

Name of the Teacher: Ms. Sanchit

Month , Week	
August 1st week	Definition, Nature and Scope of Oceanography; Distribution of Land and Water;
August 2nd week	Thermohaline Circulation and its association with the global climate,
August 3rd week	Origin of Ocean Basins.
August 4th week	Features of Ocean Basins; Continental Margins and Deep Oceanic Basins; Oceanic Floor Profile: Continental self, Slope, Ridge and Deeps, Abyssal Plains; Submarine Canyons;
September 1st week	Coral reefs: Types, Origin and Distribution;
September 2nd week	Configuration of Ocean Floor of Indian, Atlantic and Pacific Ocean.
September 3rd week	Ocean Currents: origin, types and dynamics; Climate change and ocean circulation,
September 4th week	Physiochemical properties of sea water: Temperature, Density, Salinity and Dissolved Gases;
October 1st week	Ocean movement: Waves, Tides; (Theory of Tides) and currents.
October 2nd week	Life in the Ocean: Bio zones; Types of Organism- Plankton, Nekton and Benthos;
October 3rd week	Ocean and livelihood; Oceans as Source of Food, Mineral and Energy Sources;
November1st and 2nd week	Oceans Deposits; Sea Level Change: Evidences and Impacts; Sustainable marine environment.

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Geography of India

Class B.A. 3rd Sem. (2025-2026)

Name of the Teacher: Ms. Sanchit

Month , Week	
August 1st week	Physical divisions and drainage system.
August 2nd week	Climate, soils and natural vegetation.
August 3rd week	Agricultural crops: major crops and cropping pattern,
August 4th week	Green revolution and its impacts
September 1st week	Development of irrigation sources - canals and tubewells.
September 2nd week	Population: distribution, density and growth.
September 3rd week	Population composition: sex ratio, rural and urban, literacy
September 4th week	work force, language and religion.
October 1st week	Resources: Production and distribution of iron ore, coal, petroleum,
October 2nd week	hydro power, solar and thermal power
October 3rd week	Industry- iron and steel, cotton textile and sugar
November 1st and 2nd week	Transport and communication, test , assignment and revision

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper- People andDevelopment

(practical)

Class M.sc. 1ST Sem. (2025-2026) Name of the Teacher: Ms. Sanchit

Month , Week	
August 1st week	Progressive population pyramid
August 2nd week	Static population pyramid
August 3rd week	Analysis of population growth rates and doubling time using census data
August 4th week	Analysis of population growth rates and doubling time using census data
September 1st week	Calculation of population density, dependency ratio, literacy rate
September 2nd week	Calculation of population density, dependency ratio, literacy rate
September 3rd week	Spatial mapping of population indicators using GIS (e.g., district-level census data)
September 4th week	Spatial mapping of population indicators using GIS (e.g., district-level census data)
October 1st week	Analysis of Human Development Index (HDI) and other demographic indicators
October 2nd week	Analysis of Human Development Index (HDI) and other demographic indicators
October 3rd week	Case study
November1st and 2nd week	Viva preparation

Subject - Geomorphology

Class - BA 5th Semester

Submitted by
Ashok Kumar
Assistant Professor
Department of Geography

Date	Day	Topic
21-08-2025	Thursday	Nature and Scope of Geomorphology
25-08-2025	Monday	Fundamental Concepts of Geomorphology
26-08-2025	Tuesday	Plate Tectonics Theory
27-08-2025	Wednesday	Isostasy: Pratt and Airy
28-08-2025	Thursday	Geological Time Scale
01-09-2025	Monday	Earth’s Interior: Structure and Composition
02-09-2025	Tuesday	Endogenetic Forces: Folds
03-09-2025	Wednesday	Endogenetic Forces: Faults
04-09-2025	Thursday	Topography associated with Folds and Faults
08-09-2025	Monday	Volcanoes: Types and Distribution
09-09-2025	Tuesday	Earthquakes: Causes and Measurement
10-09-2025	Wednesday	Earthquake Belts of the World
11-09-2025	Thursday	Weathering: Physical, Chemical, Biological
15-09-2025	Monday	Mass Wasting: Landslides, Rockfalls, Creep
16-09-2025	Tuesday	Fluvial Landforms: Erosional
17-09-2025	Wednesday	Fluvial Landforms: Depositional
18-09-2025	Thursday	Aeolian Landforms
22-09-2025	Monday	Glacial Landforms
23-09-2025	Tuesday	Cycle of Erosion: Davis
24-09-2025	Wednesday	Cycle of Erosion: Penck
25-09-2025	Thursday	Geomorphology and Natural Hazards: Landslides
29-09-2025	Monday	Geomorphology and Natural Hazards: Floods
30-09-2025	Tuesday	Geomorphology and Natural Hazards: Earthquakes
01-10-2025	Wednesday	Geomorphology and Natural Hazards: Tsunamis
02-10-2025	Thursday	Geomorphology and Hydrology
06-10-2025	Monday	Geomorphology and Engineering Geology
07-10-2025	Tuesday	Geomorphology and Construction Activities
08-10-2025	Wednesday	Geomorphology and Regional Planning
09-10-2025	Thursday	Nature and Scope of Geomorphology
13-10-2025	Monday	Fundamental Concepts of Geomorphology

Date	Day	Topic
14-10-2025	Tuesday	Plate Tectonics Theory
15-10-2025	Wednesday	Isostasy: Pratt and Airy
16-10-2025	Thursday	Geological Time Scale
27-10-2025	Monday	Earth’s Interior: Structure and Composition
28-10-2025	Tuesday	Endogenetic Forces: Folds
29-10-2025	Wednesday	Endogenetic Forces: Faults
30-10-2025	Thursday	Topography associated with Folds and Faults
03-11-2025	Monday	Volcanoes: Types and Distribution
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05-11-2025	Wednesday	Earthquake Belts of the World
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20-11-2025	Thursday	Geomorphology and Natural Hazards: Landslides
24-11-2025	Monday	Geomorphology and Natural Hazards: Floods
25-11-2025	Tuesday	Geomorphology and Natural Hazards: Earthquakes
26-11-2025	Wednesday	Geomorphology and Natural Hazards: Tsunamis
27-11-2025	Thursday	Geomorphology and Hydrology

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Physical Geography

Class B.A. 1st Sem. (2025-2026)

Name of the Teacher Mr. Amarjeet

Month , Week	
August 1st week	Interior of earth, geological time scale, rocks and its types
August 2nd week	Isostasy theories, earthquakes and volcanoes
August 3rd week	Continental drift and plate tectonics
August 4th week	Weathering , mass wasting and resultant landforms
September 1st week	Landforms generated by geomorphic agents
September 2nd week	Atmosphere composition and structure
September 3rd week	Atmospheric temperature and pressure
September 4th week	Moisture measurement and distribution
October 1st week	Surface relief of Atlantic ocean
October 2nd week	Surface relief of Indian and pacific ocean
October 3rd week	Currents of Atlantic ocean
October 4th week	holidays
November 1st week	Currents of Pacific Ocean
November 2nd week	Test and assignment and revision

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Social Geography

Class M.sc. 3rd Sem. (2025-2026)

Name of the Teacher: Mr. Amarjeet

Month , Week	
August 1st week	Nature and Scope of Social Geography; Developments in the field of social geography,
August 2nd week	Concepts in social geography: social differentiation, region formation, social evolution
August 3rd week	social change & transformation, social space, social and spatial justice, ethnicity, social wellbeing.
August 4th week	Socio-cultural formation of society in India; Geography and caste: regional/spatial framework of dominant caste and land inequality, social and spatial segregation/exclusiontribe as a social formation: scheduled
September 1st week	regional/cultural forms of untouchability in India- continuity and change; tribes and geographical isolation,
September 2nd week	Tribes and scheduled areas; regional studies of the major and minor tribes in India
September 3rd week	Language and dialect, language families, India as a linguistic area, linguistic diversity in India, Greenberg's linguistic diversity index, Mother tongue, Bi-lingualism,:
September 4th week	multi-lingualism, language shifts and retention, linguistic regionalism and minority languages; space and religion
October 1st week	religious diversity in India, religious minorities, communalism and space.
October 2nd week	Social Change and transformation in India: Modernization, role of rural urban interaction, problems of social transformation,
October 3rd week	social wellbeing- overview of concept; social and ethnic diversity of India and national integration: cultural pluralism and development.
November1st and 2nd week	Test , Revision

LESSON PLAN

M.N.S. Govt. College , Bhiwani

Department of Geography

Paper : Geomophology Class

B.A. 5st Sem. (2025-2026)

Name of the Teacher: Madan Singh

Month , Week	
August 1st week	Nature and Scope of Geomorphology; Fundamental Concepts; Plate Tectonics; Theory of Isostasy:
August 2nd week	Pratt and Airy; Geological Time Scale.
August 3rd week	The Earth's Interior; Endogenetic Forces: Folds and Faults and Associated Topography;
August 4th week	Volcanoes and Earthquakes
September 1st week	Exogenetic Forces: Weathering and Mass
September 2nd week	Erosional and Depositional Landforms associated with of Fluvial Processes,
September 3rd week	Application of Geomorphology: Natural Hazards (Landslides, Floods, Earthquakes, and Tsunamis),
September 4th week	Hydrology, Engineering Geology, Construction Activities & Regional Planning.
October 1st week	Test.
October 2nd week	Assignment
October 3rd week	Test
October 4th week	holidays
November 1st week	Revision
November 2nd week	Revision

Paper- Principles and Practices of Disaster Risk Reduction

Class M.sc. 1ST Sem. (2025-2026) Name of the Teacher: Mr. Madan Singh

Month , Week	
August 1st week	Foundations of Disaster Risk Reduction: Concepts: hazard, risk, vulnerability.
August 2nd week	resilience, and capacity, Types of disasters: natural, anthropogenic, and hybrid
August 3rd week	Paradigm shift from response to risk reduction,
August 4th week	UNDRR and the Sendai Framework for Disaster Risk Reduction (2015–2030).
September 1st week	Spatial Dimensions of Disasters: Physical and human-induced disaster-prone regions of India and the world,
September 2nd week	Geographic factors influencing vulnerability and exposure, Disaster mapping, zonation, and risk modelling, Urban risk, climate change, and cascading disasters.
September 3rd week	DRR Strategies, Policy, and Institutional Frameworks: Structural and nonstructural mitigation measures, Community-Based Disaster Risk Reduction (CBDRR),
September 4th week	Role of NDMA, SDMA, UNDRR, Red Cross, and NGOs, Integration of DRR into development planning and climate resilience, Case studies: Cyclone Fani, Kerala Floods, Bhuj Earthquake, Bhopal Gas Tragedy etc.
October 1st week	1. Hazard zonation mapping using GIS (e.g., earthquake or flood-prone areas). (02) 2. Preparation of disaster vulnerability maps using socio-economic and physical indicators. (02)
October 2nd week	3. Temporal analysis of disaster events using historical data and trends (02) 4. Risk matrix and disaster severity indexing for selected case studies. (01)
October 3rd week	5. Mapping critical infrastructure and service accessibility in disaster-prone zones. (01) 6. Case study analysis using NDMA/SDMA and UNDRR reports (Sendai indicators, resilience metrics)/ Report on Local Disasters (01)
November1st and 2nd week	Revision.

Paper : Physical Geography

Class B.A. 1st Sem. (2025-2026)

Name of the Teacher Mr. Madan Singh

Month , Week	
August 1st week	Interior of earth, geological time scale, rocks and its types
August 2nd week	Isostasy theories, earthquakes and volcanoes
August 3rd week	Continental drift and plate tectonics
August 4th week	Weathering , mass wasting and resultant landforms
September 1st week	Landforms generated by geomorphic agents
September 2nd week	Atmosphere composition and structure
September 3rd week	Atmospheric temperature and pressure
September 4th week	Moisture measurement and distribution
October 1st week	Surface relief of Atlantic ocean
October 2nd week	Surface relief of Indian and pacific ocean
October 3rd week	Currents of Atlantic ocean
October 4th week	holidays
November 1st week	Currents of Pacific Ocean
November 2nd week	Test and assignment and revision