

TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: Prof. (Dr.) Sanjay Gupta

Subject: Geography

Class: B.A Vth Semester

Paper: Economic Geography

1st week	Theory -Nature and Scope of Economic Geography, Relation of economic geography with other sciences, Importance of Economic Geography Geography Practical - introduction of Map and Cartography
2nd week	Theory -Economic activities Meaning and types Define primary activities Geography Practical - explain Geography Practical in the techniques of map making
3rd week	Theory -Discuss secondary and tertiary Activities and impact on their environment Geography Practical -point Symbols and Line Symbols
4th week	Theory - Classification of natural Resources Geography Practical -introduction and classification of distribution maps
5th week	Theory -Conservation of Natural Resources Geography Practical -Qualitative Maps
6th week	Theory -Agriculture resources Food Crops Geography Practical -Representation of qualitative maps
7th week	Theory -Agriculture resources commercial Crops Geography Practical -Representation of distribution of maps
8th week	Theory -Agriculture Resources Plantation Crops Geography Practical -Representation of Distribution Maps

9 th week	Theory -Classification Of mineral Resources Geography Practical -Representation of Distribution Map
10 th week	Theory -Distribution and Production of Coal and Iron Ore Geography Practical -choropleth maps
11 th week	Theory -Distribution of petroleum and Natural Gas Geography Practical -chorochromatic maps
12 th week	Theory -Classification of Industries and Distribution Geography Practical -isopleth maps
13 th week	Theory -Distribution of steel industries Geography Practical - dot maps
14 th week	Theory -Distribution of textile industries Geography Practical - Diagrammatic maps
15 th week	Theory -Major Industrial Complexes of the world Geography Practical -Diagrammatic maps
16 th week	Theory -Transport meaning and modes Geography Practical -prismatic Compass survey
17 th week	Theory -International trade Geography Practical -Prismatic Compass Survey
18 th week	Theory -Oral Presentation of The Students Geography Practical -File Check

TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: DR VINEET BALA

Subject: Geography

Class: B.A. 2nd year (3rd Semester)

Paper: Geography (Major) Physical Geography - II Part-A

1 st week	Introduction of Physical Geography The Atmosphere, its meaning. Practical work observation
2 nd week	Atmosphere, its origin, composition and structure Practical work Assignment on Representation of Data
3 rd week	Insolation meaning. Factors affecting Heat Budget. Concepts of weather, class discussion.
4 th week	Weather and climate definition and factor affecting. Weather instruments. Practical work
5 th week	Weather & climate, its elements and controlling factors. Representation of cyclones & Secondary depressions.
6 th week	Distribution of temperature and Atmospheric pressure, local and planetary winds Isobars, map, wind velocity (Sign) and wind direction
7 th week	Atmospheric Humidity, factor affecting. Beaufort's Scale class discussion
8 th week	Types and distribution of evaporation. meteorological symbols Presentation
9 th week	Condensation and precipitation. Representation of climatic variables with statistical data in practical
10 th week	Indian Monsoon, origin, characteristics Mechanism and Significance Simple line graph on Practical file
11 th week	Sessional Examination in class Room Assignment I, 2. given by the students.

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Geography Syllabus

12 th week	clouds, types and symbols Bar graph, climograph
13 th week	Air masses, classification of air masses Hythergraph.
14 th week	Fronts, cyclones & anticyclones: meaning, origin types and characteristics Seminar on Drone operating
15 th week	Ocean Floor Profile Types of Oceans Is Isotherms map of India in practical
16 th week	Continental shelf , slope, ridge, deeps, physical plains. World mean temperature of January & July
17 th week	Ocean currents, types and characteristics India Mean Temperature of January and July on maps and analysis
18 th week	Salinity in oceans, coral reefs, origin, types and distributions Interpretation of weather map of India

V. Threat Bala

TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: Dr. VINEET BALA

Subject: Geography

Class: B.A. 2nd year

Paper: Geography (Minor) Introduction to climatic Elements (Part A.)

1 st week	climate, meaning and definition Representation of climatic data in Practical
2 nd week	climate and weather Concepts and requirements.
3 rd week	Elements of weather and climate Weather Instruments, types and application
4 th week	Climate and Human Habitat. Temperature, measurement simple thermometer
5 th week	Factors affecting climate latitude, relief features, Six's maximum-minimum, dry & wet bulb thermometer
6 th week	Altitude its meaning, vegetation, prevailing winds Thermograph, humidity measurement, absolute, relative
7 th week	Distance from sea level. Hygrogograph, precipitation measurement using rain gauge, Barograph and Barometer.
8 th week	Climate and Human Habitat. Students Presentation in class
9 th week	Major climatic elements, meaning and introduction Temperature, maximum and minimum range and average and practical work
10 th week	Atmospheric pressure meaning and factors. Representation of climatic data: Simple line graph
11 th week	Sessional Test, given by the students Assignments. (Q2)

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12 th week	Air pressure belts and Humidity, types Combined line and bar graph, climograph
13 th week	Precipitation, its types and process of precipitation Workshop on Drone operating techniques
14 th week	Wind, meaning, Dynamics of wind circulations Group discussion in the class, Hy/hemograph
15 th week	Wind circulation and its impact on local weather conditions. Isotherms, world mean temperature January & July
16 th week	Wind circulation in Atmosphere India mean temperatures January to July
17 th week	Indian Monsoon system in India Isobars, India mean pressure January & July
18 th week	Characteristics of Indian monsoon. Assignments given by the students

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TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: Dr VINEET BALA

Subject: Geography

Class: B. A. 2nd year

Paper: Geography SEC

1 st week	Introduction Understanding Land Use
2 nd week	Planning for Mini Project work on Land use. & Its knowledge, / Assignment
3 rd week	Land Cover and Land use pattern in Rohtak and Bhiwani District
4 th week	Group discussion on Land use in class Room.
5 th week	Land use planning, Its meaning and Significance
6 th week	Class Discussion and Observation on mapping.
7 th week	Mapping of Forest Cover Use of aerial photographs
8 th week	Mapping of built up area from topographical sheets & Satellite Image
9 th week	Mapping of transport routes from topographical sheet.
10 th week	Mapping of Water Bodies from aerial photographs
11 th week	Assignment I Submitted by students and Class discussion

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12 th week	Concepts of land use change, land use management
13 th week	Spatial change analysis and Temporal change analysis in land use/land cover through statistical diagrams
14 th week	Workshop/ Seminar on operating Drone, by Skyline Institute Robtak
15 th week	Assignment II on Spatio-temporal change in land use area.
16 th week	Preparation of proposed land use/ area locality, plan of institution, / proposed land use
17 th week	Land cover map, its preparation for project report. Field work
18 th week	Interpretation of Lab work / Field work for practical file.

Virendra Bhat

TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: Dr. Pinki Yadav

Subject: Geography

Class: B.A 1st Semester

Paper: Major Geography

1st week	Theory- Nature and Scope of Physical Geography, interrelation of Physical Geography with Other Science and place of Geomorphology in Physical Geography Practical- Introduction of Cartography
2nd week	Theory- Interior of the Earth: Evidences about the Interior of the earth. Chemical Composition and Layering of the Earth Practical- History of Cartography
3rd week	Theory- Formation of Rocks, its Classification, rocks Cycle Practical- Maps and Its Classification
4th week	Theory- Geomorphic Process: Endogenetic Forces Exogenetic Forces, Diastrophism Practical- Uses of Maps
5th week	Theory- Folding: Anticlinorium, Synclinorium, Dip and Strike Practical- Conventional Signs
6th week	Theory- Continental Drift Theory: Introduction, Aim, outline, Building of Fold Mountains, Formation of Island Arcs, Evaluation of the Theory, Views Favour and Against the theory Practical- Introduction about Symbolization and Types of Symbols
7th week	Theory- Sea Floor Spreading Theory: Magnetic Stripes: Sea Floor Spreading Practical- Point Symbols
8th week	Theory- Plate tectonic theory: Introduction, movements of Plate, Plate Margins, Development and Growth of Plate Tectonic Theory Practical- Line Symbols and Area Symbols
9th week	Theory- Plate tectonic theory: Basic Assumptions of Plate Tectonic Theory, Difference between Continental Drift and Plate Tectonics, Criticism of the Plate Tectonics Theory Practical- Necessity and Importance of Scale

10th week	Theory- Classification of landforms: Classification of Mountains, Plateaus and Plains Practical – Representation of scales on Maps
11th week	Theory- Third Order Relief Features Formed by Glacier, River, Wind, Underground Water, Sea Waves Practical- Construction of Graphic Scale
12th week	Theory- Earthquake: Definition, causes, Measuring, Protection Practical- Construction of Plain Scale
13th week	Theory- Volcanoes: Definition, Causes, Types and Distribution of Volcanoes Practical- Construction of Comparative Scale
14th week	Theory- Weathering: Types of Weathering, Causes of Weathering and Significance of Weathering Practical- Construction of Comparative Scale (Diagonal Scale)
15th week	Theory- Mass Movements: Causes and Types of Mass Movement Practical- Representation of Relief
16th week	Theory- Work of River: Development of River Valley, Erosion, Transport and Deposition work and Formation of Land Forms Practical- Methods of Representation of Relief
17th week	Work of Wind: Types of Deserts, Landforms Made by Erosion and Deposition Practical -Interpretation of contours
18th week	Theory- Cycle of Erosion: Introduction, Geographical Cycle of Davis and Penck Practical- Oral Presentation of the Students

TEACHING PLAN

(July, 2025 to November, 2025)

Name of the Teacher: Dr. Pinki Yadav

Subject: Geography

Class: B.A. 1st Semester

Paper: Minor Geography

1st week	Theory- Geography: Nature and Scope of Geography, place of Geography in classification of sciences Practical- Introduction of Cartography
2nd week	Theory- Geography: Career Opportunities for Geographers Practical- Historical development of cartography
3rd week	Theory -Core Geographical concept: Location direction and pattern Practical - Basic Concept of Cartographic
4th week	Theory- world Time Zone Practical – Classification of Maps
5th week	Theory – Indian standard time zone, International Time Zone Practical – Applications of Maps
6th week	Theory- Interior of the Earth: Evidences about the Interior of the earth. Practical- Construction of distribution Maps
7th week	Theory -Chemical Composition and Layering of the Earth Practical- Construction of Distribution Maps (By Choropleth Method)
8th week	Theory- Theory- Plate tectonic theory: Introduction, movements of Plate, Plate Margins, Development and Growth of Plate Tectonic Theory Practical- Construction of Distribution Maps (By Dot Method)
9th week	Theory- Plate tectonic theory: Basic Assumptions of Plate Tectonic Theory, Difference between Continental Drift and Plate Tectonics, Criticism of the Plate Tectonics Theory Practical- Construction of Distribution Maps (By Diagrammatic Method)
10th week	Theory- Formation of Rocks, its Classification, Practical- Construction of Distribution Maps (By Isopleth Method)
11th week	Theory- Atmosphere: Composition and Structure of Atmosphere Practical- Construction of Distribution Maps (By Simple Shade Method)

12th week	Theory- Define Climate and weather Elements of Climate and weather Practical: Elements of Map
13th week	Theory- Insolation and Heat Budget Practical- Conventional Sign
14th week	Theory- vertical and horizontal Distribution of Pressure Practical- Demarcation of Point Symbols on Map
15th week	Theory- Wind Circulation: Planetary, Periodic and Local Wind Practical- Demarcation of line Symbols on Map
16th week	Theory- Atmospheric Moisture: Humidity, Evaporation and Condensation Practical- Demarcation of Area Symbols on Map
17th week	Theory- Types of Precipitation, Distribution of Rainfall Practical- Demarcation of scale on Map
18th week	Theory- Atmospheric Pollution: Causes, Consequences, Control Practical- Demarcation of latitude and longitude on Map

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(July, 2025 to November, 2025)

Name of the Teacher: Dr Pinki Yadav

Subject: Geography

Class: B.A 1st Semester

Paper: SEC Geography

1st week	Introduction of Photogrammetry: Meaning and Aspects of photogrammetry
2nd week	Geometry of aerial Photographs: taking vertical photographs and elements of vertical photographs
3rd week	Aerial photographs: scale of aerial photographs, Determination and Direction of Aerial Photographs-image, lens, relief, camera tilt Displacement, Accidental Terrin
4th week	Stereoscopic Vision: Introduction and Types of Stereoscopes
5th week	Stereoscopic Parallax: Use of Stereoscopic Parallax
6th week	Interpretation of Aerial Photographs: Factor Governing the Interpretation, Basics of Aerial Photographs Interpretation
7th week	Interpretation of Aerial Photographs: Identification of Aerial Photographs, Elements of Aerial Photographs Interpretation
8th week	Aerial Photographs- Determination of Aerial Photographs
9th week	Identification of Images: Characteristics of an Image, Digital Image
10th week	Identification of Images: Physical and Cultural Features of an Image
11th week	Identification of Images: Satellite Image Acquisition difference between Air photographs and Image
12th week	Identification of Images: Elements of image interpretation for landform identification and Evaluation
13th week	GIS- Meaning, definition and Geographical Concept

14th week	GIS- Approaches of GIS, Aim of GIS and Benefits of GIS
15th week	GIS- Concept and Components of GIS, data verification and Editing and Spatial Analysis
16th week	GIS-Digitizing: Types of Digitization, Problems of Digitization Maps
17th week	Digitizing- Guidelines for Digitisation
18th week	Digitizing- Digitizing Errors, Node and Line Snapping