

### Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehran**  
**Subject** : **Geography**  
**Semester** : **I**  
**Name of the Course** : **General Geography of Haryana**  
**Course Code** : **B23-GEO-103**  
**Course Type:** : **CC-M**

11.2.2025 to 28.2.2025	Physiography, relief and climate of Haryana. (Contact Hours 04)
1.3.2025 to 8.3.2025	Drainage, soils and natural vegetation. (Contact Hours 03)
17.3.2025 to 31.3.2025	Agriculture: cropping pattern and challenges. (Contact Hours 04)
1.4.2025 to 15.4.2025	Major industries and industrial centres of Haryana. (Contact Hours 04)
16.4.2025 to 30.4.2025	Population: distribution, density and growth. Population composition: structure and literacy. (Contact Hours 08)
1.5.2025 to 15.5.2025	Pattern of trade and transport. Cultural regions of Haryana. (Contact Hours 07)
16.5.2025 to 31.5.2025	Revision

## Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehra**  
**Subject** : **Geography**  
**Semester** : **I**  
**Name of the Course** : **Physical Geography**  
**Course Code** : **B23-GEO-101**

11.2.2025 to 28.2.2025	Interior of the earth, geological time scale, rocks and their types.  Theory of isostasy, continental drift and plate tectonic; earthquakes and volcanoes.  (Contact Hours 11)  Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite (1 exercise).
1.3.2025 to 8.3.2025	Degradational processes: weathering, mass wasting and resultant landforms.  Landforms generated by following geomorphic agents: river, under-ground water, wind and glacier.  (Contact Hours 11)  Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau and plain regions (2 exercises).
17.3.2025 to 31.3.2025	Weather and climate: Atmosphere-composition and structure.  (Contact Hours 05)

	Interpretation of a daily weather map of India: Pre-Monsoon (01 exercises).
1.4.2025 to 15.4.2025	Atmospheric temperature, pressure and moisture: measurement and distribution.  (Contact Hours 06)  Interpretation of a daily weather map of India: Post-Monsoon (01 exercises).
16.4.2025 to 30.4.2025	Surface configuration of ocean floors: surface relief of the Pacific, Atlantic and Indian Ocean.  Circulation of oceanic waters: current of the Pacific, Atlantic and Indian Ocean.  (Contact Hours 11)
1.5.2025 to 15.5.2025	Measurement of weather elements using analogue instruments: temperature (maximum, minimum and mean) relative humidity, rainfall and preparation of climograph, hythergraph and hyetograph (3 exercises).
16.5.2025 to 31.5.2025	Revision

### Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehra**  
**Class** : **B.A. 2<sup>nd</sup> Semester**  
**Name of the Course** : **Human Geography (Theory and Practical)**

11.2.2025 to 28.2.2025	Definition, nature and scope of human geography. Development of human geography approaches to study human geography, branches and relation with other social sciences. (Contact Hours 11)
1.3.2025 to 8.3.2025	Methods of representing population distribution and density (2 exercises). Human race: Meaning, classification of races and their global diffusion and distribution. (Contact Hours 11)
17.3.2025 to 31.3.2025	Flow diagram of migration streams of world population (1 exercise). Religion: Meaning, nature and classification. Evolution and global distribution of major religions in the world. Organization of space: central place theory, agricultural location model and industrial location model. (Contact Hours 11)
1.4.2025 to 15.4.2025	Plotting of isotims and isodapane (2 exercises). Distribution, density and growth of population: Determinants and world pattern.

	World pattern of development: economy and polity  (Contact Hours 10)
16.4.2025 to 30.4.2025	Spatial and temporal growth of world population (2 exercises).  World pattern of migration: streams and determinants  (Contact Hours 02)
1.5.2025 to 15.5.2025	Spatial and temporal growth of world population (2exercises).  Revision
16.5.2025 to 31.5.2025	Revision

### Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehra**  
**Class** : **B.A. 4th Semester**  
**Subject** : **Economic Geography (Theory and Practical)**  
**Course Code** : **B23-GEO-401**

11.2.2025 to 28.2.2025	Choropleth mapping of state-wise variation in GDP and PCI (2 exercises).  Nature and scope of economic geography and its relationship with economics.  Classification of economic activities and their impact on environment. (Contact Hours 11)
1.3.2025 to 8.3.2025	Computation of rail and road transport network accessibility index (2 exercises).  Natural resources: types, bases of classification.  Utilization and conservation of natural resources.(Contact Hours 11)
17.3.2025 to 31.3.2025	Time series analysis of world food, commercial and plantation crops production and trade using polygraph method (2 exercises).  World distribution of food crops (rice and wheat), commercial crops (cotton and sugarcane) and plantation crops (tea and coffee).  (Contact Hours 05)
1.4.2025 to 15.4.2025	Time series analysis of world food, commercial and plantation crops production and trade using polygraph method (2 exercises).  World distribution and production of coal, petroleum and

	<p>natural gas, iron ore and bauxite.</p> <p>(Contact Hours 06)</p>
<p>16.4.2025 to 30.4.2025</p>	<p>Representation of coal and sugar production of major countries of the world using compound bar diagram (1 exercise).</p> <p>World distribution and production of iron and steel industry, textile industry, sugar industry and automobile industry.</p> <p>(Contact Hours 05)</p>
<p>1.5.2025 to 15.5.2025</p>	<p>Representation of decadal production of major petroleum and iron and steel producing countries using multiple bar diagrams (1 exercise).</p> <p>International trade and transport and major oceanic trade routes.</p> <p>(Contact Hours 06)</p>
<p>16.5.2025 to 31.5.2025</p>	<p>Revision</p>

### Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehra**  
**Class** : **B.A. 3rd Semester**  
**Subject** : **Geography of India (Theory and Practical)**  
**Course Code** : **B23-GEO-301**

11.2.2025 to 28.2.2025	Physical divisions and drainage system. Climate, soils and natural vegetation. (Contact Hours 12) Identification and delineation of watershed of major rivers on map (01 Exercise) Landuse pattern of India-pie chart (01 Exercise)
1.3.2025 to 8.3.2025	Agricultural crops: major crops and cropping pattern, green revolution and its impacts. (Contact Hours 06) Occupational structure of India -pie chart(01 Exercise) Distribution and population density map of India (01 Exercise) (choropleth and dot method)
17.3.2025 to 31.3.2025	Development of irrigation sources - canals and tubewells. (Contact Hours 05) Age and sex structure -pyramid diagram (01 Exercise) Identification of the major industrial region of India by cartogram (01 Exercise)
1.4.2025 to 15.4.2025	Population: distribution, density and growth. Population composition: sex ratio, rural and urban, literacy, work force, language and religion. (Contact Hours 11)



	<p>Rainfall deviation diagram of at least 20 years (01 Exercise)</p> <p>Cropping intensity and irrigation intensity-bivariate method (01 Exercise)</p>
16.4.2025 to 30.4.2025	<p>Resources: Production and distribution of iron ore, coal, petroleum, hydro power, solar and thermal power</p> <p>(Contact Hours 06)</p>
1.5.2025 to 15.5.2025	<p>Industries: iron and steel, sugar and cotton textile; transport and communication</p> <p>(Contact Hours 06)</p>
16.5.2025 to 31.5.2025	<p>Revision</p>

### Lesson Plan

**Name of Assistant Professor** : **Dr. Gulshan Mehra**  
**Class** : **B.A. 6<sup>th</sup> Semester**  
**Subject** : **Introduction to Remote Sensing, GIS and Quantitative Methods (Theory and Practical)**

11.2.2025 to 28.2.2025	Introduction to Aerial Photographs: their advantages and types. Elements of Aerial Photo Interpretation. Period - 04 Demarcation of Principal Point, Conjugate Principal Point and Flight line on Aerial Photography – 1 Exercise.
1.3.2025 to 8.3.2025	Introduction to remote Sensing; electromagnetic spectrum, stages in remote sensing, type of remote sensing, satellite orbits-geostationary and near polar. Application of remote sensing in various fields such as agriculture, environments and resource mapping. Period – 05 Determination of Scale of Aerial Photography– 1 Exercise.
17.3.2025 to 31.3.2025	Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements. Period – 06 Interpretation of Single Vertical Photograph – 1 Exercise.
1.4.2025 to 15.4.2025	Application of GIS in Various fields of geography. Period – 04 Use of Stereoscope and Identification of Features – 1 Exercise.
16.4.2025 to 30.4.2025	Measure of Central Tendency: Mean, Median and Mode. Period – 04 Identification of Features on IRS 1D, LISS III imagery (mark copy of FCC) – 1 Exercise.
1.5.2025 to 15.5.2025	Measure of Dispersion: Range, Quartile deviation and Mean Deviation, Standard deviation, Coefficient of Variation Period - 04
16.5.2025 to 31.5.2025	Revision