LESSON PLAN FOR M.Sc. (Geography) Sem. I (2025-26)

Fortnight	Dr. Sanjeev Goel Paper: Physical and Economic Geography of India	Dr. Sanjeev Goel Paper: Quantitiave Methods in Geography	Mr Virender Paper: World Economies	Mr Sunil Paper: Geog. and Climate	Mr Sunil Paper: Landforms	Dr Ganeshwari Paper: Advanced Cartography
22.07.2025 to 31.07.2025	1. Physiographic divisions	1. Descriptive stats	1. Geographical approach to economy 2. Concepts in economic geography	1Definition of weather climate. Climatology and Meteorology. 2.Origin. Composition and structure of atmosphere.	1. History, development, and fundamental concepts in geomorphology	l. Nature, scope, and recent advancement. 2. Types and characteristics of distribution maps
01.08.2025 to 15.08.2025	2. Indian Monsoon	2. Measures of dispersion	3. Spaces of consumption	3. Solar Radiation greenhouse effect heat budget, and temperature distribution.	2. Convection current theory, sea floor spreading, paleomagnetism, continental drift and plate tectonic.	3. Types and characteristics of 4. Characteristics of graph/diagrams/maps representing climatic data statistical diagrams
16.08.2025 to 31.08.2025	3. Drainage of India.	3. Normal curve as a probability distribution	4. World economies	4. Atmospheric pressure and its distribution pattern.	3. Weathering and mass wasting	5. Representation of data using Excel program
1.09.2025 to 15.09.2025	4. Soils and vegetation types of India	4. Measures of inequality	5. Economic development	5 General circulation and planetary winds. 6. Walker circulation-ENSO and a Nina origin of monsoon and jet streams.	4. Slope processes	6. Representation of climatic data
16.09.2025 to 30.09.2025	5. Social basis of identity	5. Bivariate analysis in geographical studies	6. Network structure and economic activities	7.Atmospheric moisture	5. Fluvial, glacial	6. Representation to climatic data
01.10.2025 to 15.10.2025	6. Indian Agriculture	6. Simple linear regression model	7. Location theories of Weber, Losch, Christaller and Ullman.	7.Precipitation	5. Aeolian, waves and karst	6. Representation of socio-economic data
16.10.2025 to 31.10.2025	7. Industrial complexes and industrial regions	7. Hypothesis testing and chi square	8. Globalization and recent trends in pattern of international trade; major regional trade blocks of the world.	8.Stability and instability of atmosphere, air masses and fronts.	6. Geomorphic hazards	6. Representation of socio-economic data
1.11.2025 to 15.11.2025	8. Trade and Transport	8. Residuals and their mapping	9. GATT, WTO, EU and TRIPS	9. Weather Systems	6. Geomorphic hazards	6. Representation of socio-economic data
16.11.2025 to 24.11.2025	Revision	Revision	Revision	10. Climatic classification	7. Applied geomorphology 8.Applications of geomorphology	Revision

LESSON PLAN FOR M.Sc. (Geography) Sem. III (2025-26)

Fortnight	Mr. Sunil Introduction to Remote Sensing (Theory)	Mr. Sunil Intro. to Remote Sensing (Practical)	Mr Virender Field Methods in Geography	Dr. Sanjeev Goel Paper: Urban Geography	GEOG-301 Geography and Ecosystem (Dr Ganeshwari)
01.08.2025 to 15.08.2025	1.Fundamental concept of remote sensing, 2 Definition and scope EMR .characteristics, interaction with matter,	1.Identification of flight line.	Unit I Field work in Geography, Research Problem,Formulation of Research Design	1. Urban Geography 2. Origin and evolution of towns and factors of urban growth.	Unit I 1.Concept of Ecosystem and Types 2. Energy flow in ecosystem
16.08.2025 to 31.08.2025	3 Remote sensing regions and bands 4. Type of remote sensing,	2. scale of photographs	Unit II Types and Sources of Data Note: Test	3. Economic base of cities: concept and employment ratio.	Unit I 3. Biogeochemical cycles Unit II 4. Biome and types
1.09.2025 to 15.09.2025	5.Areal photographs. resolution, geomorphic properties of single aerial photos.	3.Height of objects from single vertical photographs. 4.Identification feature with stereoscope	Unit II Preparation of Questionnaires	4. Functional classification of cities: concepts and scheme of classification.	Unit II4. Biome and types (contd.) 5. Ecosystem approach in geography Note: Test
16.09.2025 to 30.09.2025	6.Stereoscopy,Stereoscopic parallax, relief displacement. 7. Satellite imagery	5.Preparation of thematic maps on landuse /land cover.	Unit III Sample Design	5. Rural Urban Fringe: structural characteristics and its development.	Unit III 6. Man-environment relationship Note: Assignment I
01.10.2025 to 15.10.2025	8. General characteristics of remote sensing sensor, 9.Indian remote sensing	6. Georeferencing of satellite imagery in image processing software	Unit III Collection of socio-economic data	6. City and region	Unit III 7. Biodiversity and conservation
16.10.2025 to 31.10.2025	10.Interpretation and application	7.image to image rectification.	Unit IV Retrieval and Analysis of Data	7. Urban morphology and landuse structure	Unit IV 8.Problems of pollution Note: Assignment II
1.11.2025 to 15.11.2025	11. Elements of image Interpretation, Image processing techniques: visual and digital.	8.Creating subset. 9. merging image of various resolution.	Unit IV Format of Report Writing	8. Models of city structure:	Unit IV 9. Environment legislation
16.11.2025 to 24.11.2025	12.Application in resource mapping and monitoring	10.making false colour composite	Revision, Doubts Clearing Sessions and Mock Tests	9. Central place theory 10. Rank size rule and Law of primate city. 11. Social area analysis.	Revision, Doubts Clearing Sessions and Mock Tests