

S.R.S. GOVT. COLLEGE SAMPLA, ROHTAK

LESSON PLAN

SESSION 2025-26

NAME : *Neeraj*CLASS : *B.A. 1st Sem*SUBJECT : *Environmental Science*

DATE	TOPICS
From 15-07-2025 TO 19-07-2025	Introduction to Environmental Studies: Multidisciplinary nature of environmental studies. Scope and importance
From 21-07-2025 TO 26-07-2025	Concept of sustainability and sustainable development. Societal issues and environment,
From 28-07-2025 TO 02-08-2025	Human population and environment. Ecosystems: Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
From 04-08-2025 TO 08-08-2025	Renewable and non-renewable resources: Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation. Timber extraction, mining, dams and their effects on forest and tribal people.
From 11-08-2025 TO 14-08-2025	Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
From 18-08-2025 TO 23-08-2025	Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
From 25-08-2025 TO 30-08-2025	Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Land resources: Land resource, land degradation, man induced landslides, soil erosion
From 01-09-2025 TO 06-09-2025	Desertification. Role of an individual in conservation of natural resources. Equitable Use of resources for sustainable lifestyles.
From 08-09-2025 TO 13-09-2025	Biodiversity and its conservation: Introduction -Definition: genetic, species and ecosystem diversity.
From 15-09-2025 TO 20-09-2025	Biogeographical classification of India. Value of biodiversity: consumptive use, productive use, social,

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	ethical, aesthetic and option values
From 22-09-2025 TO 27-09-2025	Biodiversity at global, National and local levels. Hot Sports of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife,
From 29-09-2025 TO 04-10-2025	Man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex situ conservation of biodiversity.
From 06-10-2025 TO 11-10-2025	Environmental Pollution: Definition, Cause, effects and control measures of:- Air pollution and Water pollution. Soil pollution.
From 13-10-2025 TO 18-10-2025	Written test
From 20-10-2025 TO 25-10-2025	Class assignments
From 27-10-2025 TO 01-11-2025	Marine pollution Noise pollution. Thermal pollution. nuclear hazards Solid waste.
From 03-11-2025 TO 08-11-2025	Role of an individual in prevention of pollution. Disaster management: floods, earthquake,
From 10-11-2025 TO 15-11-2025	Disaster management: cyclone and landslides. Water Conservation and its strategies. Climate change-green house gases, acid rain and global warming.
From 17-11-2025 TO 22-11-2025	Revision

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LESSON PLAN

SESSION 2025-26

NAME : Ms. Neeraj

CLASS :M.A. 1st Sem

SUBJECT : Statistical Methods in Geography

DATE	TOPICS
From 28-07-2025 TO 02-08-2025	Statistics, Geography
From 04-08-2025 TO 08-08-2025	Geography and Statistics; Significance of Statistics in geographical studies
From 11-08-2025 TO 14-08-2025	Primary Data sources and methods
From 18-08-2025 TO 23-08-2025	Secondary Data sources and methods
From 25-08-2025 TO 30-08-2025	Levels of data measurement: Nominal, Ordinal
From 01-09-2025 TO 06-09-2025	Levels of data measurement: Interval, and Ratio
From 08-09-2025 TO 13-09-2025	Presentation and Class test
From 15-09-2025 TO 20-09-2025	Measures of Central Tendency
From 22-09-2025 TO 27-09-2025	Arithmetic Mean and their geographical significance
From 29-09-2025 TO 04-10-2025	Mean Different methods
From 06-10-2025 TO 11-10-2025	Arithmetic Median and their geographical significance
From 13-10-2025 TO 18-10-2025	Median Different methods
From 20-10-2025 TO 25-10-2025	Mode Different methods and geographical significance
From 27-10-2025 TO 01-11-2025	Centrographic techniques: Mean Centre,
From 03-11-2025 TO 08-11-2025	Centrographic techniques: Median Centre
From 10-11-2025 TO 15-11-2025	Standard Distance
From 17-11-2025 TO 22-11-2025	Presentation and Class test
From 24-11-2025 TO 29-11-2025	Revision

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S.R.S. GOVT. COLLEGE SAMPLA, ROHTAK

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SESSION 2025-26

NAME : Ms. Neeraj

CLASS : M.A. 3rd Sem

SUBJECT : Biogeography

DATE	TOPICS
From 28-07-2025 TO 02-08-2025	Biogeography-The Development
From 04-08-2025 TO 08-08-2025	field, functions of Biogeography
From 11-08-2025 TO 14-08-2025	Biosphere-definition, nature, scope and composition
From 18-08-2025 TO 23-08-2025	Presentation and Class test
From 25-08-2025 TO 30-08-2025	Biogeochemical cycles-the hydrological cycle
From 01-09-2025 TO 06-09-2025	the carbon cycle, the oxygen cycle, the nitrogen cycle
From 08-09-2025 TO 13-09-2025	the phosphorous cycle and the sediment cycle
From 15-09-2025 TO 20-09-2025	Presentation and Class test
From 22-09-2025 TO 27-09-2025	Ecosystem-Meaning, types, concept, ecology
From 29-09-2025 TO 04-10-2025	components and functioning of ecosystem;
From 06-10-2025 TO 11-10-2025	Evolution of living organism and factors influencing their distribution on the earth
From 13-10-2025 TO 18-10-2025	Presentation and Class test
From 20-10-2025 TO 25-10-2025	Biomes-Meaning and types
From 27-10-2025 TO 01-11-2025	Biomes 1 st order classification
From 03-11-2025 TO 08-11-2025	Biomes 2 nd and 3 rd order classification
From 10-11-2025 TO 15-11-2025	Bio-geographical realms: Zoogeography and Zoogeographical realms
From 17-11-2025 TO 22-11-2025	Presentation and Class test
From 24-11-2025 TO 29-11-2025	Revision

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S.R.S. GOVT. COLLEGE SAMPLA, ROHTAK

LESSON PLAN

SESSION 2025-26

NAME : Ms. Neeraj

CLASS : M.A. 3rd Sem

SUBJECT : Geographic Information System

DATE	TOPICS
From 28-07-2025 TO 02-08-2025	Introduction to GIS: Meaning, Concept, History and development
From 04-08-2025 TO 08-08-2025	Scope and significance of GIS; Components and basic functions of GIS
From 11-08-2025 TO 14-08-2025	Recent trends in GIS; GIS education in India: Issues, progress
From 18-08-2025 TO 23-08-2025	GIS challenges; Significance of GIS in geography
From 25-08-2025 TO 30-08-2025	Class Test, Geographical data characteristics and sources: Nature, Types
From 01-09-2025 TO 06-09-2025	Data sources; Accessibility and availability; Spatial database models: Hierarchal
From 08-09-2025 TO 13-09-2025	Network, Geo-relational, Object based and field-based model
From 15-09-2025 TO 20-09-2025	Spatial data model: Raster and vector. Presentation
From 22-09-2025 TO 27-09-2025	Spatial analysis: Raster & vector overlay; Buffer analysis
From 29-09-2025 TO 04-10-2025	Digital surface model: DSM, DTM & DEM
From 06-10-2025 TO 11-10-2025	Spatial Interpolation: IDW, Spline & Kriging methods
From 13-10-2025 TO 18-10-2025	Network analysis
From 20-10-2025 TO 25-10-2025	Presentation and Class test
From 27-10-2025 TO 01-11-2025	Applications of GIS in regional development & planning
From 03-11-2025 TO 08-11-2025	Applications of GIS in Agriculture, Hydrology
From 10-11-2025 TO 15-11-2025	Applications of GIS in Urban and environmental studies
From 17-11-2025 TO 22-11-2025	Presentation and Class test
From 24-11-2025 TO 29-11-2025	Revision

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LESSON PLAN

SESSION 2025-26

NAME : Ms. Neeraj

CLASS : M.A. M.A. 3rd Sem

SUBJECT : Photogrammetry, Remote Sensing & GIS

DATE	TOPICS
From 28-07-2025 TO 02-08-2025	Stereo Vision Test, Orientation of stereo model under Mirror Stereoscope
From 04-08-2025 TO 08-08-2025	Determination of scale on an aerial photograph, Measurement of height of an object on single vertical aerial photograph
From 11-08-2025 TO 14-08-2025	Preparation of stereogram, stereotriplet and mosaic from aerial photographs
From 18-08-2025 TO 23-08-2025	Air photo Interpretation: Identification, mapping and interpretation of natural and cultural features.
From 25-08-2025 TO 30-08-2025	Satellite image interpretation: LISS-III, LISS-IV, Panchromatic, CARTOSAT, True color & FCC
From 01-09-2025 TO 06-09-2025	Land use/Land cover mapping on the basis of mentioned satellite images
From 08-09-2025 TO 13-09-2025	Identification, mapping and interpretation of natural and cultural features on 2 satellite images
From 15-09-2025 TO 20-09-2025	Spatial data import and export in GIS
From 22-09-2025 TO 27-09-2025	Georeferencing and reprojection of spatial data
From 29-09-2025 TO 04-10-2025	Shape file creation and digitization of geographic features
From 06-10-2025 TO 11-10-2025	Linking attribute data with spatial data
From 13-10-2025 TO 18-10-2025	Spatial analysis: Raster & vector overlay, Buffer analysis
From 20-10-2025 TO 25-10-2025	Digital surface modelling: DSM & DTM
From 27-10-2025 TO 01-11-2025	Spatial Interpolation: IDW & Kriging
From 03-11-2025 TO 08-11-2025	Query building: Raster & vector
From 10-11-2025 TO 15-11-2025	Map layout design: Quantitative
From 17-11-2025 TO 22-11-2025	Map layout design: qualitative
From 24-11-2025 TO 29-11-2025	Revision

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