**GCG PALWAL (KURUKSHETRA)**

**LESSON-PLAN**

**(Session 2025-26) Odd Semester**

**Name of Assistant/Associate Professor: Dr. Manju**

**Subject: Geography**

**Class: B.A. 1st Semester**

**Paper: Physical Geography (B23-GEO-101)**

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| **Sr. No.** | **Days**  | **Topics to be covered (Theory &Practical)** | **Remarks if any** |
|  | **22.07.2025 to 26.07.2025** | Interior of the earth (Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite) |  |
|  | **28.07.2025 to 31.07.2025 & 1-2 Aug 2025** | Geological time scale (Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite ) |  |
|  | **4.08.2025 to 9.08.2025** | Rocks and their types (Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite) |  |
|  | **11.08.2025 to 16.08.2025** | Theory of isostasy (Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau 30 34(647) and plain regions) |  |
|  | **18.08.2025 to 23.08.2025** | continental drift and plate tectonic (Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau 30 34(647) and plain regions) |  |
|  | **25.08.2025 to 30.08.2025** | earthquakes and volcanoes (Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau 30 34(647) and plain regions) |  |
|  | **1.09.2025 to 6.09.2025** | Degradational processes: weathering, mass wasting and resultant landforms.(Measurement of weather elements using analogue instruments: temperature (maximum, minimum and mean) relative humidity, rainfall and preparation of climograph, hythergraph and hyetograph) |  |
|  | **8.09.2025 to 13.09.2025** | Landforms generated by following geomorphic agents: river.(Measurement of weather elements using analogue instruments: temperature (maximum, minimum and mean) relative humidity, rainfall and preparation of climograph, hythergraph and hyetograph) |  |
|  | **15.09.2025 to 20.09.2025** | Landforms generated by following geomorphic agents: under-ground water. (Interpretation of a daily weather map of India: Pre Monsoon) |  |
|  | **22.09.2025 to 27.09.2025** | Landforms generated by following geomorphic agents: wind and glacier (Interpretation of a daily weather map of India: Pre Monsoon) |  |
|  | **29.09.2025 to 30.09.2025 &1.10.25 to 4.10.2025** | Weather and climate: Atmosphere-composition and structure. (Interpretation of a daily weather map of India: Monsoon) | **Assignment** |
|  | **6.10.25 to 11.10.2025** | Atmospheric temperature: measurement and distribution. (Interpretation of a daily weather map of India: Monsoon) | **Class test** |
|  | **13.10.25 to 18.10.2025** | Atmospheric pressure and moisture: measurement and distribution. (Interpretation of a daily weather map of India: Pre Monsoon, Monsoon and Post-Monsoon) | **Class Seminar** |
|  | **27.10.25 to 31.10.2025** | Surface configuration of ocean floors: surface relief of the Pacific, Atlantic and Indian Ocean. (Interpretation of a daily weather map of India: Monsoon) |  |
|  | **3.11.25 to 8.11.2025** | Circulation of oceanic waters: current of the Pacific ocean(Interpretation of a daily weather map of India: Post-Monsoon) |  |
|  | **10.11.25 to 15.11.2025** | Circulation of oceanic waters: Atlantic and Indian Ocean. (Interpretation of a daily weather map of India: Post-Monsoon) |  |
|  | **17.11.25 to 22.11.2025 & 24.11.2025** | Revision |  |

\*Vacation as per university calendar

**GCG PALWAL (KURUKSHETRA)**

**LESSON-PLAN (Session 2025-26) Odd Semester**

**Name of Assistant/Associate Professor**: **Dr. Manju**

**Subject: Geography**

**Class: B.A. 3rd Semester**

**Paper: Geography of India (B23-GEO-301)**

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| **Sr. No.** | **Days**  | **Topics to be covered (Theory &Practical)** | **Remarks if any** |
|  | **22.07.2025 to 26.07.2025** | Physical divisions (Identification and delineation of watershed of major rivers on map) |  |
|  | **28.07.2025 to 31.07.2025 & 1-2 Aug 2025** | drainage system (Identification and delineation of watershed of major rivers on map) |  |
|  | **4.08.2025 to 9.08.2025** | Climate, soils (Landuse pattern of India : pie chart) |  |
|  | **11.08.2025 to 16.08.2025** | natural vegetation (Landuse pattern of India :pie chart) |  |
|  | **18.08.2025 to 23.08.2025** | Agricultural crops: major crops and cropping pattern (Occupational structure of India :pie chart) | **Assignment**  |
|  | **25.08.2025 to 30.08.2025** | green revolution and its impacts (Occupational structure of India :pie chart) |  |
|  | **1.09.2025 to 6.09.2025** | Development of irrigation sources - canals and tubewells (Distribution and population density map of India :choropleth and dot method) |  |
|  | **8.09.2025 to 13.09.2025** | Population: distribution, density and growth (Distribution and population density map of India :choropleth and dot method) |  |
|  | **15.09.2025 to 20.09.2025** | Population composition: sex ratio, rural and urban (Age and sex structure :pyramid diagram) |  |
|  | **22.09.2025 to 27.09.2025** | Population composition: literacy, work force, language and religion (Age and sex structure :pyramid diagram) |  |
|  | **29.09.2025 to 30.09.2025 &1.10.25 to 4.10.2025** | Resources: Production and distribution of iron ore, coal (Identification of the major industrial region of India by cartogram) | **Class test** |
|  | **6.10.25 to 11.10.2025** | Resources: Production and distribution of petroleum, hydro power (Identification of the major industrial region of India by cartogram) |  |
|  | **13.10.25 to 18.10.2025** | Resources: Production and distribution of solar and thermal power (Rainfall deviation diagram of at least 20 years) |  |
|  | **27.10.25 to 31.10.2025** | Industries: iron and steel (Rainfall deviation diagram of at least 20 years) |  |
|  | **3.11.25 to 8.11.2025** | Industries: sugar and cotton textile (Cropping intensity and irrigation intensity :bivariate method) |  |
|  | **10.11.25 to 15.11.2025** | Transport and communication (Cropping intensity and irrigation intensity :bivariate method) |  |
|  | **17.11.25 to 22.11.2025 & 24.11.2025** | Revision |  |

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**GCG PALWAL (KURUKSHETRA)**

**LESSON-PLAN**

**(Session 2025-26) Odd Semester**

**Name of Assistant/Associate Professor**: **Dr. Manju**

**Subject: Geography**

**Class: B.A. 5th Semester**

**Paper: Statistical Methods in Geography (B23-GEO-501)**

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| **Sr. No.** | **Days**  | **Topics to be covered (Theory & Practical)** | **Remarks if any** |
|  | **22.07.2025 to 26.07.2025** | Data organization and its type (Mapping/ Graphic presentation of mean Centre) |  |
|  | **28.07.2025 to 31.07.2025 & 1-2 Aug 2025** |  Tabulation of data (Mapping/ Graphic presentation of mean Centre) |  |
|  | **4.08.2025 to 9.08.2025** | frequency distribution of nominal, interval and ordinal data (Mapping/ Graphic presentation of median center) |  |
|  | **11.08.2025 to 16.08.2025** | class interval, ratios and rates (Mapping/ Graphic presentation of median center) |  |
|  | **18.08.2025 to 23.08.2025** | Graphical presentation of data: histogram, frequency polygon and ogives (Graphical presentation of mode) |  |
|  | **25.08.2025 to 30.08.2025** | Measures of central tendency: mean, median and mode (Graphical presentation of mode) | **Assignment** |
|  | **1.09.2025 to 6.09.2025** | Measure of quantile, decile (Illustration of standard distance) |  |
|  | **8.09.2025 to 13.09.2025** | Measure of percentile (Mapping/ Graphical representation relative distance) |  |
|  | **15.09.2025 to 20.09.2025** | Absolute measures of dispersion: range (Mapping/ Graphical representation relative distance) |  |
|  | **22.09.2025 to 27.09.2025** | Absolute measures of dispersion: quartile deviation (Mapping/ Graphical representation relative distance) | **Test** |
|  | **29.09.2025 to 30.09.2025 &1.10.25 to 4.10.2025** | Mean deviation (Exercise based on coefficient of variation., Temperature and Rainfall variability across seasons and its mapping). |  |
|  | **6.10.25 to 11.10.2025** | Standard deviation (grouped and ungrouped data). (Exercise based on coefficient of variation, Temperature and Rainfall variability across seasons and its mapping). |  |
|  | **13.10.25 to 18.10.2025** | Relative measures of deviation: coefficient of variation (Graphical presentation of Bi-variate data) |  |
|  | **27.10.25 to 31.10.2025** | Location quotient (Graphical presentation of Bi-variate data) |  |
|  | **3.11.25 to 8.11.2025** | Basics of bivariate: scatter diagram, rank correlation (Graphical presentation of Bi-variate data) |  |
|  | **10.11.25 to 15.11.2025** | Revision |  |
|  | **17.11.25 to 22.11.2025 & 24.11.2025** | Revision |  |

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**GCG PALWAL (KURUKSHETRA)**

**LESSON-PLAN**

 **(Session 2025-26) Odd Semester**

**Name of Assistant/Associate Professor : Dr. Manju**

**Subject:VAC**

**Class: B.A. 1st Semester**

**Paper: Environmental Studies**

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| **Sr. No.** | **Days**  | **Topics to be covered**  | **Remarks if any** |
|  | **22.07.2025 to 26.07.2025** | Multidisciplinary nature of environmental studies; Scope and importance |  |
|  | **28.07.2025 to 31.07.2025 & 1-2 Aug 2025** | Concept of sustainability and sustainable development. |  |
|  | **4.08.2025 to 9.08.2025** | Ecosystems: Definition, structure and function of ecosystem |  |
|  | **11.08.2025 to 16.08.2025** | Energy flow in an ecosystem: food chains, food webs |  |
|  | **18.08.2025 to 23.08.2025** | Major ecosystems types: Forest ecosystem |  |
|  | **25.08.2025 to 30.08.2025** | Grassland ecosystem, Desert ecosystem and Aquatic ecosystem (lakes, rivers, oceans). |  |
|  | **1.09.2025 to 6.09.2025** | Resources Land resources: Land degradation and soil erosion. |  |
|  | **8.09.2025 to 13.09.2025** | Forest resources: Importance of forests, deforestation: causes and impacts on environment, Water resources: Use and over- exploitation of surface and ground water, Energy resources: Renewable and non- renewable energy sources. |  |
|  | **15.09.2025 to 20.09.2025** | Biodiversity and Conservation: Definition and its types, Endangered and endemic species of India. Threats to biodiversity: Habitat loss, poaching of wildlife, man- wildlife conflicts, biological invasions | **Assignment** |
|  | **22.09.2025 to 27.09.2025** | Conservation of biodiversity: In-situ and Ex- situ conservation of biodiversity. |  |
|  | **29.09.2025 to 30.09.2025 &1.10.25 to 4.10.2025** | Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational values. |  |
|  | **6.10.25 to 11.10.2025** | Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution. |  **Class Test** |
|  | **13.10.25 to 18.10.2025** | Solid waste management: Sources, methods of disposal: Landfill, incineration and composting. • Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. |  |
|  | **27.10.25 to 31.10.2025** | Environmental laws: Environment (Protection) Act, 1986, Air (Prevention & Control of Pollution) Act, 1981, Water (Prevention and control of Pollution) Act, 1974. |  |
|  | **3.11.25 to 8.11.2025** | Human population growth: Impacts on environment, human health and welfare. |  |
|  | **10.11.25 to 15.11.2025** | Resettlement and rehabilitation of project affected person. Disaster management: floods, earthquake, cyclones, landslides and drought. |  |
|  | **17.11.25 to 22.11.2025 & 24.11.2025** | Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. |  |

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