**Govt. College Jassia, Rohtak**

**Department of Geography**

**Lesson Plan for the Session: 2025-26 (Odd Semester)**

**Name of the Assistant Professor: Mrs. Archana**

**Name of Program: UG Program (M.A. 1st Semester)**

**Name of the Course: Geomorphology Course Code: 24GEO201DS02**

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| **Date** | **Topic Covered** |
| JULY | Introduction to Syllabus |
| AUGUST | Geomorphology -Nature and scope; History and development of geomorphic ideas:  Fundamentalconcepts-Uniformitarian's, geologicalstructure, processand stage;The Earth’s interior -  structure and constitution; Recent Views; Plate tectonics - meaning and concept; plates, plate margins and  boundaries; plate motion; Tectonic activities along the boundaries and Distribution of plates. |
| SEPTEMBER | Endogenetic processes - Faulting, folding and their geomorphic expressions; earthquake concept, causes,  classification, intensity and magnitude, Geographical distribution; Vulcanism- concept, mechanismand  causes;Volcanoes - classification, volcanic materials; Topography associated with vulcanicity and  geographical distribution. |
| OCTOBER | Exogenetic processes: Weathering and mass wasting - meaning and concept; controlling factors,  classification and significance; Dynamics of fluvial, aeolian, glacial and karst processes and resulting  landforms. |
| NOVEMBER | Applied Geomorphology - meaning; Applications of Geomorphology in Regionalplanning, engineering projects,  mineral exploration and hydrology; Regional Geomorphology of Punjab plain, Aravalli Region and Thar desert  of India. |
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**Govt. College Jassia, Rohtak**

**Department of Geography**

**Lesson Plan for the Session: 2025-26 (Odd Semester)**

**Name of the Assistant Professor: Mrs. Archana**

**Name of Program: UG Program (M.A. 3rd Semester)**

**Name of the Course: Oceanography Course Code: 25GEO203DS10**

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| **Date** | **Topic Covered** |
| JULY | Introduction to Syllabus |
| AUGUST | Definition and scope of oceanography, major sea voyages, oceanography and other sciences; distribution pattern  of land and sea, origin of ocean basins: Wegner’s drift hypothesis, and sea floor spreading and Plate Tectonics. |
| SEPTEMBER | Depth of ocean, ocean floor profile-continental shelf, slope, ridge and deeps, abyssal plains; submarine canyons;  coral reefs-origin and distribution; ocean deposits; configuration of ocean floors of Indian Ocean and Atlantic  Ocean. |
| OCTOBER | Temperature of oceans; salinity in oceans; density of oceans; dynamics of ocean currents; currents of Atlantic,  Pacific and Indian Ocean; tides and origin; Tsunami. |
| NOVEMBER | Ocean currents and their impact on climate and economy; oceans as source of food, mineral and energy  resources; sea-level changes; evidences, mechanism and impact; maritime laws |
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