

**BACHELOR OF SCIENCE in GEOLOGY (HONS)**  
**SEMESTER – VI**

**Paper Code: GEL-610P**

GL-(H) 610 (P): PRACTICALS:	100 marks
GEOPHYSICS:	20 Marks
Preparation and interpretation of gravity, magnetic and electrical anomaly profiles and contour maps.	
HYDROLOGY:	20 Marks
Preparation and interpretation of water table maps. Plotting of groundwater provinces of India on a map of India.	
PHOTOGEOLOGY, REMOTE SENSING AND GIS:	30 Marks
Study of aerial photo-pairs using lens and mirror stereoscopes delineating geomorphic features (Aeolian, fluvial, glacial and coastal), rock types (igneous, sedimentary and metamorphic and unconsolidated sediments) and structural features (folds, faults, joints, caverns, lineaments). Recognition of various topographic features from satellite imageries. Calculation of scale from aerial photographs. Preparation of geological drainage maps from photographs.	
FIELD WORK:	15 Marks
Pertaining to observation of Quaternary deposits, river terraces, neotectonic and active tectonic evidences.	
SEMINAR:	10 marks
VIVA VOCE:	5 marks

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