

BACHELOR OF SCIENCE in GEOLOGY (HONS)
SEMESTER – V

Paper Code: GEL-507P

GL-(H) 507 (P): PRACTICAL

100 marks

Structural Geology:

Exercises on structural geology problems. Graphic solution of dip and strike problems. Three and four point's problems of thickness determination. Stereographic projection of structural data. Plotting of fold limbs, fault, joints /fractures. Evaluation of pitch and plunge from stereographic map.

Igneous

Petrology:

Calculation of C.I.P.W. norm of oversaturated rocks. Calculation of Niggli value of rocks.

Metamorphic Petrology:

Megascopic and microscopic study of metamorphic rocks - slate, phyllite, schist, gneiss, marble, quartzite, charnokite, hornfels, khondalite

Sedimentary Petrology:

Grain size analysis and preparation of histogram, frequency curves on the basis of grain size data. Presentation of palaeocurrent data. Examination of some common heavy minerals in grain mounts.

Economic Geology:

Study of ore and economic minerals in hand specimens as detailed in the theory syllabus; Preparation of maps showing distribution of important metallic and nonmetallic deposits and important coal and oil fields of India.

Surveying:

Using Plane Table, Prismatic Compass and Dumpy Level.

Field Work - visit to mine.

Viva voce:
