GEOLOGY

PAPER-I


Structural and field geology :- Common structure of igenous, sedimentary and metamorphic rocks. Study of folds, faults, unconformities, joints and thrusts, elementary ideas of methods of geological surveying and mapping.


PAPER-II

Crystallography and minerology :- Elements of crystal forms and Symmetry, Laws of Crystallography. Crystal systems and classes, Crystal habits, Twinning. Sterographic projection. Physical, chemical and optical properties of minerals, study of more important rock-forming and economic minerals regarding their chemical, physical properties, crystallographic and optical characters, alteration, occurrence and commercial uses.

Economic Geology :- Theories of Organesis - Classification, geology, occurrence, ocalities and resource of chief metallic and non-metallic minerals of India, minerals industries in India, principles of geophysical prospecting and redressing.

Petrology :- Origin constitution, structure and classification of igenous, sedimentary and metamorphic rocks. Study of common Indian rock types.