

M. Sc. GEOLOGY SECOND SEMESTER

**Paper - IV
204**

Phanerozoic Stratigraphy

Code: Geol

Unit –I

Nomenclature ,classification, distribution, structures, succession, sedimentary history, fauna, flora, age, igneous intrusion, palaeogeography, palaeoclimate and regional correlation of the Paleozoic sediments of India: Permian- Triassic boundary.

Unit- II

Nomenclature, classification, distribution, structures, succession, sedimentary history, fauna, flora, age, igneous intrusion, palaeogeography, palaeoclimate and regional correlation of the Gondwana Supergroup of India.

Unit- III

Nomenclature, classification, distribution, structures, succession, sedimentary history, fauna, flora, age, igneous intrusion, palaeogeography, palaeoclimate and regional correlation of the Mesozoic marine rocks Cretaceous/ Tertiary (K/T) Boundary.

Unit- IV

Deccan Volcanic Province: Stratigraphy, Field Features of Basalt Flows, Regional Volcano- Plutonic Complexes, petrology and petrogenesis, Age and Duration of Volcanism. Inter- Trappeans and associated sedimentary Formations
Distribution Palaeobiogeography, Stratigraphy and Sedimentation Faunam, Trend of Life, Tectonic Setting and Structure, Correlation and Age of Siwaliks.

Unit – V

Nomenclature classification distribution magmatic activity, succession, sedimentary history, fauna, flora, age, igneous intrusion, palaeogeography, palaeoclimate and regional correlation of the Tertiary rocks. Geology of offshore basins of India.