

DEPARTMENT OF GEOLOGY

COURSE OUTCOME

Sl. No.	Core	TITLE	COURSE OUTCOME
1	CC - I	General Geology & Quaternary geology	Students can learn about various characteristic features of the planet earth and other terrestrial planets. They can also study the various geomorphic forms, their processes, evolution of topographic and bathymetric features. Also he/she can study about the youngest period of earth's history i.e., Quaternary Geology.
2	CC - II	Tectonics & Remote sensing	This paper is all about earth movement like Horizontal and vertical plate movements, Isostatic theories and continental drift. He/she can learn about Remote sensing and aerial photography, their applications in various fields, types of satellites and their uses.
3	CC - III	Crystallography & Mineralogy	Students can learn about the arrangement of atoms in solids, unit cells, space lattices, six crystals systems and their classification under crystallography, Mineralogy is concerned with all aspects of minerals including their physical properties, Chemical composition, internal crystal structure and occurrence and distribution in nature and their origin in terms of physic chemical conditions of formations.
4	CC - IV	Optics & Geochemsitry	From this paper students can learn about nature of light: - internal reflection, double refraction, Pleochroism, Interference colour etc. He/she can also learn about isotopes, composition of planets and meteorites, cosmic abundance of elements, Geochemical classification under geochemistry.
5	CC - V	Igneous Petrology	Students can learn about the identification, classification, origin, evolution and processes of formation and crystallization of igneous rocks.
6	CC - VI	Sedimentary Petrology	From this paper students can learn about the occurrence, composition, texture and other overall characteristics of sedimentary rocks.
7	CC - VII	Metamorphic Petrology	From this paper students can learn about the identification, origin, evolution and processes of formation and recrystallisation of Metamorphic rocks.
8	CC - VIII	Palaeontology	From this paper students can learn about the morphology and geological history of Flora and Fauna
9	CC - IX	Stratigraphy	From this paper students can learn about the principles, concept of Geologic History of India.

10	CC - X	Structural Geology	From this paper students can learn about rock deformation with respect to the stresses that act within the earth and to measure the rock geometries to uncover information about the history of deformation in the rocks.
11	CC - XI	Processes of formation & Mineral economics	From this paper students can learn about the process of formation and Economic Minerals.
12	CC - XII	Economic Geology	From this paper students can learn about the important ore minerals and distribution in India, different exploration and exploitation technique for mineral exploration.
13	CC - XIII	Groundwater & Engineering Geology	Form this paper students can learn about the occurrence, distribution and movement of water below the Earth's surface and he/she can learn about the geological factors regarding location of engineering works.
14	CC - XIV	Mining & Environmental Geology	From this paper students can learn about the geological information about mines, shafts and placers and estimating ore reserve. He/She can learn about the effective preparing for and responding to disasters. In resource management, students can learn about conservation of mineral resources and environmental impact assessment.
15	DSE - I	Fuel Geology	From this paper students can learn about origin, occurrence, movement, accumulation and exploration of hydrocarbon fuels.
16	DSE - II	Climate Change & Disaster Management	From this paper students can learn about the atmosphere, weather patterns, & long term shifts in temperature pattern
17	DSE - III	Earth & Climate	From this paper students can learn about the climate system, monsoon mechanism, atmospheric circulation and glacial – Inter glacial stages.
18	DSE- IV	Project work/Field Study	From this paper teachers will assign topics to the students for Project work or Field study should be treated as the project work.
18	GE - I	General Geology & Mineralogy	From this paper students can learn about geomorphic forms, arrangement of atoms in solids, unit cells, space lattices, six crystals system and their classification under crystallography. Mineralogy is concerned with all aspects of minerals including their physical properties, chemical characters.
19	GE - II	Petrology & Historical Geology	From this paper students can learn about different types of rocks, morphology and geologic history of flora and fauna & geological history of India.