

Department of Geology Course Outcomes

Sl.No.	Semester	Course Code	Course Title		Course Outcomes(COs)
	1		Physical Geology and Crystallography	CO1	Student demonstrate an understanding that characterize the planet for the good development of the subject.
				CO2	Students demonstration understanding of Earth's genesis and make a time line.
				CO3	Students able to recognise different factors to govern the exogenic and endogenic processes of earth.
				CO4	Student can recognize the weathering, agents, rate of erosion and different land form.
				CO5	Student can recognize the erosional and depotional land forms.
				CO6	Can recognize the erosional and depositional land forms.
				CO7	Can recognize the erosional, transportational and depositional landform.
				CO8	Can recognize erosional and depositional land forms and causes of sea level change.
				CO9	Can understand erosional and depositional land forms.
				CO10	To estimate the intensity of damage, prediction and methods of estimation.
				CO11	Students can recognize the relationship between plate tectonics and magma originated rocks.
				CO12	Students can recognize symmetry elements, crystal classes and morphology.
				CO13	Students can recognize the difference between different crystal classes.
	4		Mineralogy & Optical Mineralogy	CO1	Students will understand the mineral natural occurrence and by using the physical properties. They identify the Minerals.
				CO2	Students will differentiate the mineral groups by using the silicate structures
				CO3	Students will be able to recognize the mineral groups by minerals & silicate structures.
				CO4	Students will recognize the mineral by using the optical properties.
				CO5	Students will be able to understand the minerals by using the petrological microscope.
	5		Igneous & Sedimentary Petrology	CO1	Students will know the difference between rocks & minerals.
				CO2	Students will be able to recognize the forms of Igneous rocks.
				CO3	Students will recognize the textures & structures of Igneous rocks by using the microscope & field observations.
				CO4	Students will differentiate the rocks by understanding of magma composition.
				CO5	Students will identified the sedimentary rocks & structures in the field.
				CO6	Students will differentiate types of rocks.
	6		Metamorphic Petrology & Structural Geology	CO1	Students will recognize the metamorphic rocks & different structural, identifications in the field.
				CO2	Students will diffentiate the rocks by using the classification of metamorphic rocks.
				CO3	Students will recognize different structure in the field.
				CO4	Students will identify the different structures formed in the crust and formation condition in the past by seeing the features in the field.
	6		Stratigraphy & Indian Geology & Paleontology	CO1	Students will know about the geology by way in stratigraphy and distinguish the principles of stratigraphy.
				CO2	Students will understand the structure of geological time scale & studies related to it
				CO3	Students will have a knowledge about the cratons & basins & easily study difference in field.
				CO4	Students will identified the fossils in the field.

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				CO5	Students will identified the fossils and know about the differences between them & they get knowledge of these individuals.
	6		Economic Geology	CO1	Students can recognize different geological process to form Ore deposits.
				CO2	Students can differentiate the Ore deposits of different metallic and non-metallic deposits.
				CO3	Students can understand that radioactive minerals will play vital role in alternative energy generation.
				CO4	Students can understand the importance of industrial minerals in construction field.
				CO5	Students can distinguish the different quality graders of coal relation with their genes.
				CO6	To understand the special properties for strategic purpose.
	7		Ground Water : Geology & Exploration	CO1	Students will recognize and be able to demonstrate understanding of the hydrologic cycle as it putains to GW. System.
				CO2	Students are able to explain how different subsurface materials influence fluid flow including aquifers.
				CO3	Students can differential different typing aquifer depending on aquifer properties.
				CO4	Students demonstrate understanding of ground water systems using the theorm of hydroulicaty conceded system.
				CO5	Students to develop a basic understanding of field and laboratory methods for GW sampling and analysis.
				CO6	Using data Obtaining from wells a pieyoretus, students acquire the skills to prechiet quality parameters to use.
				CO7	Students can able to families about different geological methods to exploration of G.W.
				CO8	Student can able to operate geophysical methods in demo sessions.
	7		Mineral Exploration & Mining Geology	CO1	Students can understand different criteria's and guides in prospecting of mineral resources.
				CO2	Students can able to differentiate anomaly of individual element concentration by Ore deposit.
				CO3	Students can able to differentiate all geophysical methods to localize Ore deposits and their individual merits and demerits.
				CO4	Students able to distinguish different characteristics of aerial photos and satellite images to demarcate the prospecting yours.
				CO5	Students are able to understanding sampling techniques and preparation of sampling by sewing and come and Quartering.
				CO6	Students able to calculate and evaluate Ole reserves in theoretical and practical.
	7		Environmental Geology & Engineering Geology	CO1	Students will know about the environment importance & geologists role on it
				CO2	Students will know waste disposal types & its importance and using the remote sensing in geological studies.
				CO3	Students will know the mining impacts & precautions taken by the civil engineers while constructing the dams etc.
				CO4	Students will have knowledge about floods, earth quakes, etc and ready to protect others.
				CO5	Students will understand the constructions near the coastal zones and mass wasting process.
				CO1	Students will learn basics of Aerial photography – properties of light and their applications.
				CO2	Students will collectly approach learning about satellite orbits plat form and sensors.

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	7		Economic Geology	CO3	Student, will understand different RS Data products, formats, generation and caution with referencing.
				CO4	Students will understand different aspects of EMR and its interactions and signature.
				CO5	Students will learn principle of GIS and it's components and requirements.
				CO6	Students will use different datas including special and non-special dates to prepare thematic maps.