Seat No.:	Enrolment No
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Sul Tir	bject ne: 0 tructi 1.	Attempt any five questions.)
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	What is rock cycle, explain its functioning. What are primary structures in rocks? Explain origin of bedding plane in sedimentary rocks.	07 07
Q.2	(a) (b)	Explain temperature and pressure as agents of rock metamorphism. Discuss the merit and demerit; when dam is proposed on sedimentary rocks.	07 07
Q.3	(a) (b)	What is geological fault? Classify geological faults on the basis of relative movement of adjacent blocks. Why knowledge of engineering geology is important in Civil Engineering? Explain in detail with suitable examples.	07 07
Q.4	(a) (b)	What is landslide? What are the preventive measures to reduce landslide hazard. Explain role of temperature in mechanical weathering of rocks giving suitable examples.	07 07
Q.5	(a) (b)	What are confined and unconfined aquifers? Describe in details with neat diagram. Describe properties of Hardness and cleavage in minerals with suitable examples.	07 07
Q. 6	(a) (b)	What is a geological fold? Describe different components of a typical fold. Classify igneous rocks based on depth of formation and silica content.	07 07
Q. 7	(a) (b)	Describe different stages of geological investigations carried out for tunnel construction. Write an exemplary note on application of geological maps and satellite imageries in the field of civil engineering.	07 07
