Q.P. Code: 20CE0113				
F	Reg	No:		
	C	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTU	TR	
		(AUTONOMOUS)		
		B.Tech II Year II Semester Regular Examinations October-2022		
		ENGINEERING GEOLOGY		
т	imo	(Civil Engineering) 3 hours Max.	Marks	. 60
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		(Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I		
1	a	Explain the brief study of case histories of failure of some civil engineering constructions due to some geological drawbacks.	L2	6M
	b	Write in detail about the structure of the earth and composition with a neat diagram.	L2	6M
2		OR	L4	CM.
2	a	Discuss the Importance of Weathering with reference to dams, reservoirs, tunnels and bridge.	1.4	6M
	b	What are the types of geological agents? Describe briefly the natural agencies.	L3	6M
3	a	What are the various physical properties useful to identify a mineral. Describe any three in detail.	L2	6M
	b		L4	6M
4			L2 L2	6M 6M
		UNIT-III		
5		sedimentary rock on the basis of structure and texture?	L4	6M
	b	What is metamorphism? Discuss the various agents of metamorphism? <b>OR</b>	L1	6M
6			L3 L3	6M 6M
7		Explain the different types of folds with the help of neat sketches.	L4 L2	6M 6M
8	a		L3	6M
	b	magnetic methods. Write principles of various Geophysical methods used in site investigation. UNIT-V	L2	6M
9	a		L2	6M
	b		L2	6M
10		Explain the geological factors influencing water tightness and life of reservoirs.	L2 L2	6M 6M