## END TERM EXAMINATION

THIRD SEMESTER [B.TECH] DECEMBER Paper Code: ETCE-211		Subject: Engineering Geology	
Time: 3 Hours		Maximum Marks: 75	
	e: Attempt any five questions including Select one question from	Q.no.1 which is compulsory.	
Q1	Answer any five from the following:  (a) Write in detail about the structure of with a neat diagram.  (b) Define dip and strike.  (c) Give an account of the various proper (d) What are the types of land slide? measures.  (e) Define the following:  (i) Spheroidal weathering.  (ii) Use of stereoscope.  (f) Write short notes on engineering significant string in the structure of th	ties and function of an aquifer.  Briefly explain its preventive	
Q2	<b>Unit-I</b> Briefly explain the various physical identification of minerals.	properties which help in (12.5	
Q3	(a) Briefly explain the soil profile of residu (b) Explain the physical properties of Mic	ual soil. (4.5 a group of minerals. (8	
	Unit-II		
Q4 :	Describe fault structures with neat engineering significance with suitable exa	sketches and also write thei ample. (12.5	
Q5	What is a fold? Describe various type of and also write their engineering significations.	fold structure with neat sketchen nce. (12.5)	
	Unit-III		
Q6.	(a) Give a brief description of Seismic zor (b) Define following term:	ne of India. (6	
	(i) L-wave (ii) P-wave (iii) Artesian ac		
Q7	(a) Explain the investigation to be exploration.		
	(b) Briefly explain the cause and effects of	of earthquake. (6.5	
	. Unit-IV		
Q8	What are the Geological Consideration Dam Site? Briefly explain the geological	necessary in the selection of a Causes for the Failure of Dams.	
Q9	<ul><li>(a) What are the various geological factoristruction of tunnels? Explain with</li><li>(b) What are the various geological factoristruction of Highway?</li></ul>	a chimanie example.	

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