Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-IV • EXAMINATION – WINTER 2013

	U	Code: 142203 Date: 26-12-2013	
Tiı	•	Name: Geology-II 2.30 pm - 05.00 pm Total Marks: 70	
1115		Attempt all questions.  Make suitable assumptions wherever necessary.	
Q.1	(a) (b)	What is Petrology? What are the types of rocks? Give classification in brief? What is Earthquake? How is it measured? What are the effects of Earthquake?	07 07
Q.2	(a) (b)	Explain the structures of Igneous rocks.  Give the classification of Sedimentary rocks.  OR	07 07
	<b>(b)</b>	Explain the types of Metamorphism.	07
Q.3	(a) (b)	What is volcano? What are different types of volcano? What is multigeneration folding?	07 07
Q.3	(a) (b)	OR What are different processes of mountain building? Write a note on Cambrians of salt range.	07 07
Q.4	(a) (b)	What are the geological factors influencing the tunnel excavation? Write a note on Thar desert.	07 07
Q.4	(a) (b)	OR  Describe rocks: Syenite, Conglomerate and Schist.  What are the preventive measures for landslide?	14
Q.5	(a)	Write note on any two:-  1. Origin of Indogangatic plains.  2. Dykes and sills.  3. Seismic zones of India.  4. Types of Joint.	

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