Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV EXAMINATION - WINTER 2015

	•	t Code: 142203 Date:01/01/2016	Date:01/01/2016	
Ti	•	t Name: Geology- II 02:30pm to 05:00pm Total Marks: 70		
	1 2	Attempt all questions.Make suitable assumptions wherever necessary.Figures to the right indicate full marks.		
Q.1	(a) (b)	What is a volcano? Explain the types of volcano. Discuss the factors and types of metamorphism.	07 07	
Q.2	(a) (b)	Write a short note on Earthquakes. Describe the textures of sedimentary rocks.	07 07	
	(b)	OR Explain forms of igneous structure with figures.	07	
Q.3	(a) (b)	Describe sedimentary structures giving diagrams. Discuss how folds and faults are identified in geological maps	07 07	
Q.3	(a) (b)	OR What are tunnels? Discuss various types of tunnels with examples. How are sedimentary rocks formed?	07 07	
Q.4	(a) (b)	Why are the geological investigation are required for dam site location What is Petrology? Give the different types of rocks and also give their classification in brief.	07 07	
Q.4	(a) (b)	OR What is an unconformity? Discuss different types of unconformities. Write a note on Lower Gondwana System	07 07	
Q.5	(a) (b)	Explain characteristics of Syenite, Limestone, and Schist. Discuss how the landslides can be prevented.	07 07	
		OR		
Q.5	(a) (b)	Write a Classification of folds and faults. Write Notes on Any Two:- (1) Jurassic of Kutch. (2) Water in tunnels. (3) Thar desert. (4) Lithologic origin of Indo-gangetic planes. (5) Deccan Traps.	07 07	
