GUJARAT TECHNOLOGICAL UNIVERSITY BE SEMESTER-IV• EXAMINATION – SUMMER 2015

Subject Code: 142203 Date: 03/06				
Subject Name: GEOLOGY-2 Time: 10.30am-01.00pm Total Mark Instructions:				
115	1. 2.	Attempt all questions.		
Q.1	(a) (b)	Define earthquakes and tsunamis. Give a detailed account of origin of tectonic earthquakes and their distribution on globe. Give the classification of volcanoes based on composition and their distribution on globe.	07 07	
Q.2	(a) (b)	What are the geological criteria for selection of a Dam site? What are Igneous rocks? Give structures of Igneous rocks. OR	07 07	
	(b)	Write down the various deposits of non-clastic sedimentary rocks formed by chemical and organical processes.	07	
Q.3	(a) (b)	What is metamorphism? Write a note on factors responsible for it. What are the Isoseismals? Add a note on tectonic earthquakes. OR	07 07	
Q.3	(a) (b)	What is unconformity in rocks? Explain different types of unconformity. What are the seismic waves? Write a note on magnitude of an earthquake.	07 07	
Q.4	(a) (b)	Discuss critically role of groundwater conditions that influence the design, cost and stability of tunnels. Explain "Jurassic of Kutch".	07 07	
	(U)	OR	07	
Q.4	(a) (b)	Explain characteristics of Syenite, Limestone and Schist. Explain preventive measures for landslides.	07 07	
Q.5	(a) (b)	Give the distribution, lithology, economy and life of Lower Gondwana system. Write a note on Thar of Rajasthan. OR	07 07	
Q.5	(a) (b)	Write a note on "Karewas of Kashmir". Write down lithological characters and origin of Indo-Gangetic Alluvium.	07 07	
