Seat No.: Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014

	Subj	ect Code: 142203 Date: 23-06-2014	
	Subj	ect Name: Geology-II	
	Time	e: 10:30 am - 01:00 pm Total Marks: 70	
	Instru	ctions: 1. Attempt all questions.	
		 Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a) (b)	<u> 1</u>	07 07
Q.2	(a)	What is tunnel? What are the geological factors affecting in the design of a tunnel?	07
	(b)	What are the types of mountains and explain their genesis. OR	07
	(b)	Classify the Igneous rocks on various basis.	07
Q.3	(a) (b)	y	07 07
Q.3	(a) (b)		07 07
Q.4	(a)	Explain the petrological characteristics of – Granite, Gabbro, Rhyolite, Sandstone, Dolomite, Phyllite, and Gneiss.	07
	(b)	Explain Sills and Dykes. OR	07
Q.4	(a)	\mathbf{J}	07
	(b)	What are the factors responsible for multigeneratrion of folding?	07
Q.5		Write note on any two:-	14
		1. Unicomponent and Bicomponent Magma.	
		2. Volcanoes and its types.	
		3. Siesmic-Zones of India.4. Thar Desert.	
		5. Indogangetic Alluvium.	
