# Roll No. 3322199

#### 24383

# B. Tech. 6th Semester (Civil Engg.)

### Examination - May, 2014

#### **Engineering Geology**

Paper: CE-312-F

Time : Three hours ]	[ Maximum Marks : 100
Before answering the questions, cand have been supplied the correct and complaint in this regard, will be enter	complete question paper. No
Note: Attempt five question compulsory. All question	s in all. Q. No. 1 is as carry equal marks.
1. (i) Draw interior structure	of earth 4
(ii) Classify various types (	, · · · · · · · · · · · · · · · · · · ·
(iii) What is meant by soil l	iquefaction? 4
in nature?	cks. How are they formed
(v) Explain Dip and Strike	4
	. 4
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2. How Engi	v study of Engineering Geology is useful for ineers.	r Civil 20
3. Defi	ine Engineering Geology. Discuss the impo eology in engineering projects.	
wea	at do you understand by weathering? List vanthering agents. Describe the geological work	orious s of a 20
rive	er. What is a rock forming mineral ?	5
(b)	Discuss process of formation of mineral nature: Which group of minerals is most coming accurrence. ? Briefly mention its	HILLIGA
6 (a)	Define a fold.	5
(b)	1 -: Cad 2 Explain with the	lds as
7 (a)	How is remote sensing useful in geo exploration.	ological 10
(b)	) Describe the seismic method of site investiga	tion. 10
Ex	xplain Earthquake focus and Earthquake in xplain causes of earthquake. Describe metarthquake proof construction.	
ha ch	ive a general account of geological charact ave to be known for location of a DAM. Ho haracteristics influence the choice of the type o be constructed?	w these