

Roll No. ....

**24383**

**B. Tech. 6th Semester (Civil Engineering)**

**Examination - May, 2012**

**Engineering Geology**

**Paper : CE - 312 - F**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note : Attempt any five questions out of eight.**

1. (a) Explain forms & structure of Rocks. 10  
(b) Explain elementary idea about fold & fault. 10
2. Explain importance of geological structure in Civil Engineering Projects with suitable examples. 20
3. (a) Explain Hydrology with suitable diagram. 10  
(b) Explain artificial recharge of ground water. 10
4. Write short notes on following :  
(a) Weathering & erosion of surface of earth. 10  
(b) Soil profile & its importance. 10
5. (a) Describe about earthquakes & Volcanoes. 10

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- (b) Describe scope of geology. 10
6. (a) Describe Mineralogy and Petrology. 10
- (b) Describe Applied geology with suitable significance. 10
7. (a) Explain forms & structure of rocks. 10
- (b) Explain sedimentary & Metamorphic rocks. 10
8. (a) Explain geological reports with proper significance. 10
- (b) Describe about suitability & stability of foundation sites and abutments. 10
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