

Code No: R22015

R10**SET - 1****II B. Tech II Semester Supplementary Examinations, November-2017****ENGINEERING GEOLOGY**

(Civil Engineering)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

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1. a) Explain the importance of geology from the civil engineering point of view.  
b) Discuss the types of weathering.
2. a) Explain different methods of study of minerals.  
b) Describe the physical properties of hornblende, muscovite and biotite minerals.
3. a) Explain the megascopic study of granite and dolomite.  
b) Discuss the megascopic features of conglomerate and sandstone.
4. a) Brief the stabilization of soils.  
b) Explain the types of unconformities.
5. a) Explain the effects of earthquakes.  
b) Discuss the civil engineering considerations in seismic areas.
6. a) Brief the classifications of resistivity methods.  
b) Explain the factors influencing electrical resistivity.
7. a) Add a note on consideration for successful reservoir.  
b) Explain the Dam and its parts.
8. a) Effects of tunneling on the ground and lining of tunnels.  
b) Explain the few examples of tunnels of interest and importance.