

**Code: 9A01505****R09**

B.Tech III Year I Semester (R09) Supplementary Examinations December 2015

**ENGINEERING GEOLOGY**

(Civil Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions  
All questions carry equal marks

\*\*\*\*\*

- 1 Write notes on:
  - (a) Chemical weathering.
  - (b) Physical weathering.
- 2 Discuss the importance of mineralogy. Add a note on rock-forming minerals.
- 3 What are extrusive and intrusive bodies? Distinguish between a concordant and a discordant body and give examples.
- 4 How faults are recognized in the field. Describe the effects of the various types of faults on outcrops of strata.
- 5 What is land slide? Explain different parts of a typical slide with a neat sketch.
- 6 List out different geophysical methods. Discuss the different physical properties measured and measuring instruments used in each method.
- 7 Discuss the competence of rock types in reservoir sites. Also outline reservoir problems.
- 8 What is an Earth Tunnel? Discuss the problems of earth tunnels or soft ground tunnels.

\*\*\*\*\*