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53 (CE 305) ENGE

2015

**ENGINEERING GEOLOGY**

Paper : CE 305

Full Marks : 100

Time : Three hours

**The figures in the margin indicate full marks for the questions.**

Answer **any five** questions.

1. (a) What do you understand by the term rock weathering? Discuss its types. 6
- (b) Describe geological work done by wind and water. 14
2. (a) Define dip and its types. 6
- (b) Explain the origin, age and interior of the earth. 14

Contd.

3. (a) Define geology and its types. What is the importance of geology in Civil Engineering? 15
- (b) Distinguish between dip and strike. 5
4. (a) Define landslide. Describe various types of landslide. 8
- (b) Explain various factors which trigger landslide. 12
5. What do you understand by the term earthquake? Give the causes and effects of earthquake. 20
6. Write short notes on : 20
- (i) Rocks for engineers
  - (ii) Minerals
  - (iii) Solar system and the earth
  - (iv) Stratification and cleavage.
7. What are faults? Discuss various types of faults. 20
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