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Total No. of Questions : 7

Total No. of Printed Pages : 3

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EI-186

B.E. (Illrd Sem.) (CGPA) Civil Engg. Exam.-2015

ENGINEERING GEOLOGY

Paper : CE-305

Time Allowed : Three Hours

Maximum Marks : 60

Note : Attempt all questions.

All questions carry equal marks.

Q.1 Define the following in two four lines only— **10**

- (a) Crater
- (b) Tectonic plates
- (c) Ores
- (d) Rock
- (e) Hardness
- (f) Unconformity
- (g) Texture
- (h) Epoch
- (i) Exfoliation
- (j) Bedding

(2)

Q.II Write short notes on any five of the following— 4

- (a) Geological work of river
- (b) Interior of earth
- (c) Symmetry elements of Hexagonal system
- (d) Rocks of civil engineering importance
- (e) Tabular classification
- (f) Thrust fault
- (g) Parallel and similar folds
- (h) Types of Dams

Unit-I

Q.III Describe in detail various types of volcanic eruptions and add a note on types of volcanic products.

or

Describe the concept of earthquake in details. Add a note on earthquake prediction.

Unit-II

Q.IV Describe the physical properties of feldspar, Muscovite and fluorite.

or

Describe symmetry elements of tetragonal system.

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Unit-III

Q.V Describe various types of structures found in igneous rocks.

or

Discuss the physiographic divisions of India.

Unit-IV

✓ Q.VI How do the fault recognised in the field ? Discuss.

or

Describe various types of unconformities and discuss their importance in civil engineering.

Unit-V

✓ Q.VII Describe geological criteria for the selection of dam site.

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or

Discuss engineering properties of rocks in detail.