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**EIS-186**

**B.E. (Illrd Sem.) (CGPA) Civil Engg. Exam.-2016**

**ENGINEERING GEOLOGY**

**Paper - CE-305**

***Time Allowed : Three Hours***

***Maximum Marks : 60***

***Note :*** Attempt all questions.

Each questions carry equal marks.

Q.I What is weathering? Discuss its types and write importance of weathering in civil engineering. 10

or

Explain following—

- (a) Erosional work of river
- (b) Coastal landforms

Q.II What do you understanding by physical properties of minerals? Write the properties of quartz, talc and muscovite. 10



(2)

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or

Discuss the various crystal elements and write the symmetry of cubic system.

Q.III Discuss briefly the textures in igneous rocks, write the megascopic properties of granite and basalt. 10

or

Discuss various structures in sedimentary rocks. Give the identical properties of limestone and sandstone.

Q.IV Explain the various types of unconformities and their importance in civil engineering. 10

or

Explain different types of folds; describe the criteria of recognition of folds in field.

Q.V Write suitable geological conditions for construction of dam. 10

or

Write the geological criteria for selection of tunnel site.



( 3 )

Q.VI Write short notes on any two of the following—2½ each

- (a) Glacial landforms
  - (b) Dip and strike
  - (c) Types of metamorphism
  - (d) Soil formation
  - (e) Water bearing strata
  - (f) Ore minerals
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