

Roll No.: 178230044

Total No. of Questions : 5]

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EG-293

B.E. III Semester (CGPA) Civil Engg.

Examination 2018

ENGINEERING GEOLOGY

Paper -CE-305

Time Allowed : Three Hours]

[Maximum Marks : 60

Note : Attempt all questions. All questions carry equal marks.

Q.1. What is weathering? Describe physical weathering and chemical weathering processes in detail. 12

OR

Write note on the following

12

a) Geological classification of soil

b) Interior of the earth

(2)

Q.2. Explain the following

12

- a) Form
- b) Streak
- c) Hardness
- d) Fracture

OR

What are mineral and crystal? Write the salient features of cubic and tetragonal system. 12

Q.3. Describe the textures of Igneous, sedimentary and metamorphic rock. 12

OR

Write note on the following

12

- a) Economic mineral deposits of India.
- b) Brief geological history of India.

Q.4. Describe the classification of fold in brief. Discuss the importance of fold in the field of Civil Engineering. 12

(3)

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OR

Write note on the following

12

- a) Dip and strike
- b) Unconformity
- c) Horst and graben

Q.5. What is Dam? Explain the important geological factors taken into account while making dam through consolidated and unconsolidated rocks. mention the uses of Dams.

12

OR

Write explanatory notes on

12

- a) Artesian wells
- b) Hydrological cycle
- c) Type of aquifer

