

Roll No.

Total Pages : 02

BT-3/D-19

33021

ENGINEERING GEOLOGY

CE-209E

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt *Five* questions in all, selecting at least *one* question from each unit.

Unit I

1. (a) What is Geology ? Why engineering geology plays an important role in civil engineering projects ? **10**
(b) Discuss interior of earth with neat sketches. **10**
2. (a) Define the term erosion and deposition ? **5**
(b) Explain the work of water with reference to weathering and erosion with neat sketches. **15**

Unit II

3. Write notes on the following : **20**
 - (a) Dip and strine.
 - (b) Folds.
 - (c) Fault.
 - (d) Joint.

(5-03/5) L-33021

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4. What is mineral ? Discuss in detail about chemical and physical properties of mineral. **20**

Unit III

5. Write short notes on the following : **20**
 - (a) Water table.
 - (b) Artesian well.
 - (c) Remote sensing.
 - (d) Geological report
6. Explain Dam and Reservoirs with reference to the geological condition and their influence on the : **20**
 - (a) Type and design.
 - (b) Location.
 - (c) Selection.

Unit IV

7. (a) Discuss the precautions and treatment against faults for improvement of foundation rock. **10**
(b) What is a Retaining Wall ? Discuss use and working with neat stretch. <http://www.kuonline.in> **10**
8. (a) Discuss the relation of geology with earth's environment. **10**
(b) Define global warming. What is its cause and effect ? **10**

L-33021

2

700