

AU – 2497

Third Semester B. E. (Civil Engg.) (CGS) Examination

ENGINEERING GEOLOGY

Paper – 3 CE 05

(USC – 10176)

P. Pages : 2

Time : One Hour]

[Max. Marks : 40

- Note :** (1) Due credit will be given to neatness and adequate dimensions.
(2) Assume suitable data wherever necessary.
(3) Illustrate your answer wherever necessary with the help of neat sketches.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) Explain the physical properties of minerals. 6
(b) Texture of Igneous Rock. 6

OR

2. (a) What is soil ? Explain the formation of soil and soil profile. 6
(b) Explain mechanical and chemical weathering in rock. 6
3. (a) What are unconformities ? How they are classified ? 8
(b) What is Fault ? Explain the different types of Fault found in rocks. 8

OR

4. (a) What is Geological investigation ? Give an account on sub-surface investigation. 8
(b) Describe the Earth - Quake Zone of India. 8

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P.T.O.

5. What is tunnel ? What are their uses and types ? Briefly discuss the geological consideration which are involved in the Excavation of a tunnel project. 12

OR

6. Give an account geological factors affecting the design and construction of a valley bridge. 12

