

22P436

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Name:

Reg.No:

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL4 E05A - ENGINEERING GEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Explain tri axial test.
2. Define reservoir.
3. Recall viaduct.
4. Explain magnitude and intensity of earthquakes.
5. Discuss Under ground mining method.
6. Explain long wall retreating.
7. Describe Fluorescence method of mineral exploration.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Geological studies in dam construction.
9. Express Rock mechanics.
10. Describe types of dam.
11. Describe the principles involved in highway investigations.
12. Describe the classification of landslides.
13. Extrapolate environmental impact of sea floor mining.
14. Describe Seismic exploration method for petroleum.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Discuss engineering properties of rocks.
16. Describe geological hazards in tunnelling.
17. Explain Alluvial Mining methods.
18. Generalize mineral legislation in India.

(2 × 5 = 10 Weightage)
