

23P436

(Pages: 2)

Name :

Reg. No :

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025

(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 desnity for RQD.
2. Extend and clarify cantilever bridge.
3. Extend and clarify purpose of foundation.
4. Explain interplate and intraplate earthquake.
5. Describe Dredging.
6. Describe wild cat drilling.
7. Describe Sizing for ore dressing.

(4 × 2 = 8 Weightage)

Part-B

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

8. Express Rock mechanics.
9. Describe Triaxial test.
10. Describe types of dam.
11. Explain tunnels and its components with suitable diagram.
12. Describe hazards of landslide.
13. Describe Planning for mines.
14. Explain strip mining method for coal.

(4 × 3 = 12 Weightage)

Part-C

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

15. Discuss important things to remember in geological site investigation.

16. Describe reservoir sedimentation and different possibilities of reservoir leakage.
17. Describe coal mining.
18. Generalize mineral legislation in India.

(2 × 5 = 10 Weightage)
