

20P445

(Pages: 1)

Name:

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL4 E04a - EXPLORATION GEOLOGY

(Geology - Elective Course)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Short answer type questions. Answer any *four* questions. Each question carries 2 weightage.

1. Resistivity method.
2. GM counter.
3. Geobotanical indicators.
4. Pathfinder elements.
5. Diamond drills.
6. Radioactivity.
7. Thermal logging.

(4 × 2 = 8 Weightage)

II. Short essay questions. Answer any *four* question. Each question carries 3 weightage.

8. Earth's Magnetic field.
9. Drilling methods.
10. Refraction and reflection survey.
11. Biochemical anomalies.
12. Mode of occurrence of trace elements.
13. Ore reserve estimation.
14. Determination of attitude and depth of formation.

(4 × 3 = 12 Weightage)

III. Long essay. Answer any *two* questions. Each question carries 5 weightage.

15. Write an essay about different methods used in surface and subsurface exploration.
16. Describe about magnetic methods used in exploration.
17. Explain geochemical exploration techniques.
18. Describe the principles and interpretation of seismic data for identification of ore reserve.

(2 × 5 = 10 Weightage)
