

**19P444**

(Pages: 1)

Name: .....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021**

(CBCSS - PG)

**CC19P GEL4 E04a - EXPLORATION GEOLOGY**

(Geology - Elective Course)

(2019 Admission - Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Short answer type questions. Answer any *four* questions.

1. Magnetometer.
2. Seismic waves.
3. Geobotanical indicators.
4. Pathfinder elements.
5. Scintillometers.
6. Sonic borehole logging.
7. Trace elements.

**(4 x 2 = 8 Weightage)**

II. Short essay questions. Answer any *four* questions.

8. Refraction and reflection survey.
9. Resistivity method in geoexploration.
10. Geochemical anomaly.
11. Sampling methods.
12. Mobility of elements.
13. Ore reserve estimation.
14. Principles of airborne survey.

**(4 x 3 = 12 Weightage)**

III. Long essay. Answer any *two* questions.

15. Explain the use of seismic waves in identification of Ore reserves.
16. Write an essay on radiometric methods on exploration geology.
17. Describe different geophysical well logging methods.
18. Which are different type of drilling methods? Also explain principles of sampling and assaying.

**(2 x 5 = 10 Weightage)**

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