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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL2 C06 - ECONOMIC GEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Clarke number.
2. Contact metasomatism.
3. Metallogenic province.
4. Sericitization.
5. Niobium occurrence.
6. Geologic setting of Copper deposits of Singhbhum.
7. MMRD act.

(4 × 2 = 8 Weightage)

Part-B

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

8. Criteria for identifying replacement textures.
9. Applications of fluid inclusions.
10. Ore mineral deposits formed at convergent plate boundaries.
11. Forms of Chromite concentration.
12. India's strategic minerals.
13. Source materials and source locations conversion to petroleum.
14. Formation conditions of Methane hydrate.

(4 × 3 = 12 Weightage)

Part-C

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

15. Describe the distribution form and origin of Stratiform deposits.
16. Describe the distribution, form and setting of Anorthosite-Fe -Titanium oxide association.
17. Explain Genetic classification and distribution of Uranium deposits of India.
18. Explain the classification of coal and its petrography.

(2 × 5 = 10 Weightage)
