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(Pages: 2)

Name:

Reg.No:

SIXTH SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, APRIL 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC20I GLO6 IB09 - ECONOMIC GEOLOGY

(Geology)

(2020 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Siderophile.
2. Primary minerals.
3. Late Palaeozoic Epoch.
4. Magmatic concentraion.
5. Formation of Graphite.
6. Dolomitization.
7. Humic acid.
8. Residual concentration.
9. Rare earth minerals in Kerala.
10. Radio active metals.
11. Refractory minerals.
12. Source and Reservoir rock.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Lindgrens classification and its limitations.
14. Stratigraphic Control of Ore localization.
15. Relation to intrusives, host rock and structure in contact metasomatism.
16. Effects of Oxidation and Supergene Enrichment.

17. Difference between essential, strategic and critical minerals.
18. Explain Base metals and Indian occurrences.
19. Use of clay, feldspar and wollastonite and give indian occurrences.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Write an essay on hydrothermal mineral deposit.
21. Write an essay on Coalification processes. Add short note on rank and its distribution in India.

(1 × 10 = 10 Marks)
