

18P442

(Pages: 2)

Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCSS - PG)

(Regular/Improvement/Supplementary)

CC15P GEL4 C12 – ECONOMIC GEOLOGY

(Applied Geology)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

I. Short Answer Type Questions. Answer *all* questions.

1. Grade of ores.
2. Strategic and Critical minerals.
3. Polishing hardness.
4. Epigenetic deposits.
5. Colloform texture.
6. Orthomagmatic Ore Deposits.
7. Optical properties of galena.
8. Geologic thermometry.
9. Metallogenic provinces.
10. Stratabound deposits.
11. Types of hydrocarbons in Petroleum.
12. Gas hydrates.
13. Wall rock alterations.
14. Kerogen.

(14 x 1 = 14 Weightage)

II. Short Essay Type questions. Answer any *seven* questions.

15. Parts of an ore microscope.
16. Classification of ore deposits.
17. Controls of ore localization.
18. Distribution of oil fields in India.
19. Paragenesis and Zoning.
20. Origin and distribution of ores of carbonatite associations.
21. Chromium and vanadium deposits in mafic and ultramafic rocks.
22. Ore deposits related to metamorphic affiliations.
23. Distribution of coal fields in India.

24. Classification of reservoir traps.

(7 x 2 = 14 Weightage)

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

25. Discuss the status of India in mineral production highlighting on the National Mineral Policy.

Or

26. Give an account of the origin, form, distribution, setting and constitution of ore deposits related to Anorthosite-Iron-Titanium oxide association.

27. Describe the various types of ore deposits related to plate boundaries.

Or

28. Explain the origin, classification and petrography of coal.

(2 x 4 = 8 Weightage)
