

15P439

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Name.....

Reg. No.....

**FOURTH SEMESTER M. Sc. APPLIED GEOLOGY DEGREE
EXAMINATION, March, 2017
(CUCSS - PG)**

**CC15P GEL4 C12 - ECONOMIC GEOLOGY
(2015 Admission)**

Time: Three hours

Maximum: 36 weightage

I. Short Answer Type Questions. Answer *all* questions (Qns 1-14)

1. Strategic minerals.
2. Metallogenic provinces
3. Zoning of mineral deposits
4. Geothermometer
5. Kerogen
6. Cut-off grade
7. Cannel coal
8. Bireflectance of ores.
9. Bonanza
10. Sublimates
11. Stockwork
12. Comb structure
13. Shale gas
14. Reservoir rock

(14 x 1= 14 weightage)

II. Write Short Essays on any *seven* questions (Qns 15-24)

15. Microtextures of ore minerals and their significance.
16. Major metallogenic epochs in the earth's history
17. Classification of coal.
18. Ore deposits associated with metamorphic rocks.
19. India's status in the production of Iron ores, Manganese ores and Chromite.
20. National Mineral Policy.
21. Proximate analysis of coal

22. Bateman's classification of ore deposits.
23. Different hypothesis on the origin of petroleum.
24. Neyveli Lignite Field.

(7 x 2 = 14 weightage)

III. Write essays on two questions (Qns 25-28)

25. Describe the steps involved in polishing and mounting of ores

Or

26. Give an account of the form, setting and origin of strata bound deposits

27. Describe the oil fields of western and southern India.

Or

28. Describe structural and stratigraphic controls of ore localization.

(2 x 4 = 8 weightage)

(14 x 1 = 14 weightage)

II. Write Short Essays on any seven questions (Qns 15-21)

15. Microtextures of ore minerals and their significance
16. Major metallogenic epochs in the earth's history
17. Classification of coal
18. Ore deposits associated with metamorphic rocks
19. India's status in the production of iron ores, manganese ores and Chromite
20. National Mineral Policy
21. Proximate analysis of coal