

16P439

(Pages:2)

Name.....

Reg.No

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, MARCH 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15 PGEL4 C12–ECONOMIC GEOLOGY

(Applied Geology)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

Section A

(Short answer type questions.)

Answer *all* questions. Each question carries *1* weightage.

1. Tenor and grade of ores.
2. Strategic minerals.
3. Epigenetic deposits.
4. Paragenesis of ores.
5. Bireflectance.
6. Schlieren.
7. Primary ore textures.
8. Evaporite deposits.
9. Geologic thermometry.
10. Anorthosite massifs.
11. Metamorphic mineral deposits.
12. Bituminous coal.
13. Neyveli Lignite field.
14. Gas hydrates.

(14 x 1= 14 weightage)

Section B

(Write Short Essays)

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

15. India's status in mineral production.
16. National mineral policy.
17. Procedure of polishing and mounting of ore samples.
18. Wall rock alterations.
19. Controls of ore localization.
20. Metallogenic epochs.

21. Ultra mafic – mafic chromium platinoid associations.
22. Ore deposits associated with plate boundaries.
23. Gondwana coal fields of India.
24. Origin of petroleum.

(7 x 2 = 14 weightage)

Section B

(Write essays)

Answer *two* questions. Each question carries *4* weightage.

25. Describe the classification of ore deposits with reference to Lindgren and Bateman classifications.

or

26. Give an account of the form, distribution, setting, constitution and origin of ores of carbonatite associations.

27. Discuss stratabound and stratiform deposits with reference to their distribution, form, setting and origin.

or

28. Describe the classification of petroleum reservoir traps. Add a note on the major oil fields of India.

(2 x 4 = 8 weightage)
