

15U521

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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, OCTOBER 2017

(CUCBCSS-UG)

CC15U GL5 B10 - INDIAN GEOLOGY

(Geology - Core Course)

(2015-Admission Regular)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

Part A

Answer *all* ten questions. Each question carries 1 mark.

1. The dry metamorphic rock in the Precambrian crystallines of Kerala.
2. The granitic intrusion occurred during 2.6 billion years in Dharwars.
3. The characteristic mineral deposit assemblage of Aravallis.
4. Age of Barail sanstone
5. The characteristic flora of upper Gondwana.
6. The stratigraphic unit of Sausar group which contains rich manganese deposits.
7. The marine facies of Cretaceous rocks occur in Narmada valley.
8. The mid –carboniferous stratigraphic marker unit described from Spiti, Kashmir.
9. Age of Muth quartzites
10. The mesozoic geological formation which contain dinosaur fossils.

(10x1=10 Marks)

Part B

Answer any *ten* questions. Each question carries 2 marks.

11. Supracrustals
12. Eparchaeon unconformity
13. Madurai block
14. Banded Gneissic Complex
15. Nuggihalli schist belt
16. Tirodi gneiss
17. Inter-trappeans
18. Cuddalore formation
19. Cardita beaumonti
20. Sattanur wood fossil
21. Tipam series

22. Vempalle formation

(10x2=20 Marks)

Part C

Answer any *five* questions. Each question carries 6 marks

23. Greenstone belt

24. Western Dharwar craton

25. Malani Igneous suite

26. Lower Gondwana

27. Lilang system

28. Warkalai formation

29. Siwalik fossils

30. Age of Deccan traps

(5x6=30 Marks)

Part D

Answer any *two* questions Each question carries 10 marks

31. Give an account of the stratigraphic classification, lithology, structures, economically important mineral deposits and geologic resources of the Aravalli Supergroup.

32. Explain the stratigraphic classification of Cretaceous of Trichinopoly. Add a note on its paleo-environment reconstruction.

33. Give an account of lithology and stratigraphy of Paleozoic of Spiti. Add a note on Paleozoic rocks of peninsular India.

34. Describe the geological events that took place during the Cenozoic Era in India.

(2x10 =20 Marks)