

16U624

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Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2019

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15U GL6 B20 - INDIAN MINERAL DEPOSITS

Geology - Core Course

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

PART A

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

1. Name the radioactive mineral found in the heavy mineral sands along the coastal tract of Kerala.
2. Name the highest quality hard coal.
3. Name any two oil fields in Assam.
4. Name any two minerals formed due to evaporation.
5. Name the largest producing state of manganese ores in India.
6. The metal content of an ore is known as
7. Name a building stone with its type area of Kerala.
8. Name two sulphide ores of copper.
9. World famous stratiform chromite deposit.
10. Name the largest bauxite producing state in India.

(10 x 1 = 10 Marks)

Part B

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

11. Difference between mineral resource and mineral reserves.
12. Give the physical properties, chemical composition and uses of Baryte.
13. Khetri mines.
14. Oil traps.
15. Differentiate bauxite and laterite.
16. Diamond occurrence in India.
17. Mica belts of India.
18. Occurrence of gemstone in India.
19. Uranium mines of India.

20. Types of clay deposits in Kerala.
21. Abrasives.
22. Chotanagpur plateau.

(10 x 2 = 20 Marks)

Part C

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

23. Describe the various theories on origin of petroleum.
24. Radioactive minerals.
25. Give the salient features of India's current National Mineral Policy.
26. Gold deposits of India.
27. Strategic, critical and essential minerals.
28. Important oil fields of India.
29. Refractory minerals.
30. Explain the mode of occurrence and distribution of Fe-ore deposits in India.

(5 x 6 = 30 Marks)

Part D

Answer any *two* questions. Each question carries 10 marks.

31. Give a brief account of mineral deposits in Kerala.
32. Give an account of coal as a fossil fuel highlighting its classification, origin, uses and distribution in India.
33. Describe the important properties, uses, modes of occurrences and distribution of ore minerals lead and zinc in India.
34. Describe the modes occurrences, uses and distribution of industrial minerals in India.

(2 x 10 = 20 Marks)
