

15U624

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Name:

Reg. No.

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2018

(CUCBCSS - UG)

CC15U GL6 B20 - INDIAN MINERAL DEPOSITS

Geology - Core Course

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary.

Part - A

Answer all **ten** questions in one word or one sentence each.
Each question carries 1 mark.

1. The most common sulphide ore of copper.
2. Chromite deposits are associated with ----- igneous rocks.
3. The ore of titanium in which iron also is an essential element.
4. The mode of formation of gypsum.
5. The pink gem variety of corundum.
6. A double carbonate of calcium and magnesium.
7. The host rock of petroleum in Bombay High.
8. The highest rank of coal.
9. The most important mineral in the china clay deposits of Kerala.
10. Define critical minerals.

(10 x 1 = 10 Marks)

Part - B

Short answer type questions.

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

11. Pyrolusite.
12. Bauxite.
13. Important uses of micas.
14. Metamictization.
15. Refractories.
16. Krishna-Godavari petroliferous basin.
17. Strategic minerals of India.
18. Kolar Gold Fields.
19. Uses of graphite.

20. Chemical composition of coal.
21. Bailadila iron ore deposits.
22. China clay deposits of Kerala.

(10 x 2 = 20 Marks)

Part - C

Paragraph type questions.

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

23. Physical properties of gemstones.
24. Physical properties, mode of occurrence and uses of alumino silicate group of minerals.
25. Asbestos group of minerals.
26. Chemical composition and mode of occurrence of Lead-Zinc deposits.
27. Give an account of ceramic minerals.
28. Different types of oil traps.
29. Rank of coal.
30. Importance of minerals in the economy of a nation.

(5 x 6 = 30 Marks)

Part - D

Essay type questions.

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

31. Give an account of the beach placers of Kerala.
32. Describe the Neyveli lignite deposits. Add a note on Tertiary coal deposits of India.
33. Describe the physical properties of abrasives and uses of important abrasives.
34. Describe the important copper deposits of India.

(2 x 10 = 20 Marks)
