

20U643S

(Pages: 2)

Name:

Reg. No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CUCBCSS-UG)

CC15U GL6 B20 – INDIAN MINERAL DEPOSITS

(Geology – Core Course)

(2015 to 2018 Admissions – Supplementary/Improvement)

Time: Three Hours

Maximum: 80 Marks

Part A

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

1. Malajkhand mine is famous for _____
2. Write the name of two major allotropes of carbon.
3. Ore of manganese.
4. Aquamarine is a gem variety of _____
5. Where is the first oil field in India located?
6. Kyanite grades depends on _____ content.
7. Which clay mineral is widely used for pharmaceutical uses, mainly to make drugs?
8. Galena is the ore of _____
9. What are REE?
10. What is the use of chromite in industry?

(10 × 1 = 10 Marks)

Part B (Short Answer Type Questions)

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

11. State the ore minerals of zinc.
12. Major uses of Gypsum.
13. Rank of coal.
14. Why REE is very important? Mention its deposit in Kerala.
15. Essential minerals.
16. Carbonates of Copper.
17. Define radioactive decay and give the name of major radioactive minerals.
18. Diagnostic features of gemstones.
19. Abrasive Minerals.
20. Coal bed methane.
21. Non renewable resources with examples.
22. What are Ore and gangue?

(10 × 2 = 20 Marks)

Part C (Paragraph Type Questions)

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

23. Use and occurrences of Aluminium in India.
24. Explain the physical properties and uses mica.
25. Refractory minerals and its distribution in India.
26. Gold reserves in India.
27. Where Gemstones are found in India and describe its Identification features.
28. Discuss the theories of origin of petroleum.
29. Write a short note on beach placers of Kerala.
30. Pb-Zn deposits of India.

(5 × 6 = 30 Marks)

Part D (Essay Type Questions)

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

31. Write an essay on non metalliferous deposits with neat sketch.
32. Differentiate essential, critical and strategic minerals with suitable examples and briefly explain the significance of minerals in National economy.
33. Mention the various ores of iron and describe the occurrence and distribution of Fe deposits in India.
34. Discuss coalification process and give a note on major occurrence and distribution of coal in India.

(2 × 10 = 20 Marks)
