

17U624

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Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

CC15U GL6 B20 - INDIAN MINERAL DEPOSITS

Geology

(2015 Admission onwards)

Time: Three hours

Maximum: 80 Marks

Draw neat sketches wherever necessary.

PART - A

Answer **all** questions in one word or one sentence each

1. An ore mineral of copper characteristically found in the supergene sulphide enrichment zone
2. The industry in which kaolin find its major use
3. The chemical composition of chrysoberyl
4. The mode of formation of talc
5. The green to greenish yellow gem variety of olivine
6. A high specific gravity non-silicate mineral used along with mud in oil well drilling
7. A Ce, Th phosphate mineral in the beach sands of Kerala
8. A phosphate mineral used as a fertilizer
9. The most common oxide mineral of tin
10. The reservoir rock in Bombay High

(10 x 1 = 10 Marks)

PART – B (Short Answer Type Questions)

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

11. Native Gold.
12. Sphalerite
13. Use of gypsum.
14. Characteristic features of refractory minerals
15. Sillimanite group of minerals
16. Graphite deposits of Trivandrum

17. Chemical composition of lignite
18. Naharkotiya oil field
19. Abrasives
20. Physical properties of Bauxite
21. Use of zircon
22. Strategic minerals

(10 x 2 = 20 Marks)

PART – C (Paragraph Type Questions)

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

23. Important iron ore deposits of India
24. Distribution of copper deposits in India.
25. Minerals in the black beach sands of Chavara in Kerala
26. Current National Mineral Policy of India
27. Give an account of the chemical composition and physical properties of asbestos group of minerals
28. Petroleum and gas deposits of Cauvery Basin
29. Neyveli lignite deposits
30. Characteristic physical and optical properties of gemstones

(5 x 6 = 30 Marks)

PART – D (Essay Type Questions)

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

31. Describe the clay and bauxite deposits of Kerala
32. Give an account of the composition and theories of origin of petroleum. Add a note on Bombay High
33. Describe the importance of minerals in the economy of a nation
34. Describe the mode of occurrence and distribution of chromite deposits of India

(2 x 10 = 20 Marks)
