

**18U623**

(Pages: 2)

Name: .....

Reg. No.....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2021**

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

**CC15U GL6 B19 - ORE FORMING PROCESSES**

(Geology - Core Course)

(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. What are syngenetic deposits?
2. Name the process by which sulphide mineralization occur just below the water table when leaching solution trickle down.
3. Bushveld chromite deposits in South Africa is an example for ..... ore forming process.
4. What are refractory minerals?
5. Exceptionally rich accumulation of valuable minerals in certain section is called .....
6. Mineral deposits formed by mechanical concentration at hill slopes .....
7. Major Lead and Zinc deposits of India is found in ..... Metallogenic province
8. Geologic time during which rich assemblage of metallic mineralization took place.
9. What are saddle reefs?
10. Define Geologic thermometer

**(10 × 1 = 10 Marks)**

**PART B** (Short Answer Type Questions)

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

11. Magmatic dissemination.
12. Residual concentration.
13. Asbestos minerals.
14. Shear zone mineralization.
15. Syngenetic deposits.
16. Gossan.
17. Chalcophile elements.

18. Skarn deposits.
19. Tenor of ore.
20. BIF deposits.
21. Manganese nodules.
22. Crustification.

**(10 × 2 = 20 Marks)**

**PART C (Paragraph type Questions)**

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

23. Contact metasomatism.
24. Oxidation and Supergene deposits.
25. Mineral deposits of Kerala.
26. Lindgren's classification of mineral deposits.
27. Dharwar metallogenic province.
28. Metamorphic deposits.
29. Cavity filling deposits.
30. Mechanical concentration deposits.

**(5 × 6 = 30 Marks)**

**PART D (Essay Type Questions)**

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

31. Give an account of Metallogenic provinces, epochs and associated mineral assemblages in India.
32. What are hydrothermal deposits? Add a note on various types of hydrothermal deposits and their process of formation.
33. Write an essay on Bateman's classification of ore deposits.
34. Describe magmatic processes resulting to various economic mineral deposits.

**(2 × 10 = 20 Marks)**

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