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(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2017

(CUCBCSS—UG)

Geology

GLY 6B 19—ORE FORMING PROCESSES

Time : Three Hours

Maximum : 80 Marks

Draw neat sketches wherever necessary.

Part A

Answer all ten questions in one word or one sentence each.

1. What are Orthomagmatic deposits ?
2. The metal content in an ore deposit is referred as _____.
3. The ground preparation method in which silica is added to country rocks before the deposition of metal contents in a hydrothermal ore fluid is called as _____.
4. What are Lode deposits ?
5. What are Eluvial placers ?
6. The cap rock present in the secondary supergene sulphide enrichment zone commonly known as Iron hat is termed as _____.
7. Define Chalcophile elements.
8. The fibrous silky variety of serpentine considered as the most important type of asbestos.
9. The interlacing network of small veinlets traversing a rock are called _____.
10. The luckily explored unusually rich assemblage of different metalliferous mineral deposit is called _____.

(10 × 1 = 10 marks)

Part B (Short Answer Type Questions)

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

11. Geologic thermometers.
12. Disseminated deposits.
13. Mechanical concentration.
14. Solfataras.
15. Crustification.
16. Wall rock alterations.

Turn over

17. Box work.
18. Pseudomorphs.
19. Talc deposits.
20. Industrial minerals.
21. Zawar Pb-Zn deposits.
22. Shear zone mineralization.

(10 × 2 = 20 marks)

Part C (Paragraph Type Questions)

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

23. Metasomatic and metamorphic mineral deposits.
24. Stratiform and stratabound mineral deposits.
25. Metallogenic epochs in India.
26. Residual concentration.
27. Refractory minerals.
28. BIF types.
29. Mineral resources of Kerala.
30. pH and Eh of ore fluids.

(5 × 6 = 30 marks)

Part D (Essay Type Questions)

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

31. Give an account of the different types of ore bearing fluids and controls of ore localization.
32. Describe the process of Supergene sulphide enrichment.
33. Explain the Sedimentary process of formation of mineral deposits.
34. Give an account of the Precambrian metallic mineral deposits of India.

(2 × 10 = 20 marks)