

**M.Sc. II Semester Degree Examination, Sept./Oct. - 2024****APPLIED GEOLOGY****Applied Ore Geology****(NEP)**

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions, each question carries **equal** marks.

1. Explain the following : 14
 - (a) Classification of mineral deposits.
 - (b) Process of sedimentation inclusive of evaporation.
2. Add a note on : 14
 - (a) Ferrous and non-ferrous ores.
 - (b) Magmatic ores.
3. Answer the following : 14
 - (a) Explain weathering process of laterite and bauxites in metamorphism of ores.
 - (b) Explain the types of pegmatites and its characteristics.
4. Discuss the following : 14
 - (a) Lead and zinc ore distribution in India.
 - (b) Iron ore distributions in India.
5. Write a note on : 14
 - (a) Building stones.
 - (b) Fertilizer minerals.
6. Explain the following : 14
 - (a) Strata bound ore deposits of Mn, Fe ores.
 - (b) Carbonate ores.
7. Discuss the following : 14
 - (a) Copper ore deposits.
 - (b) Industrial applications of barytes.
8. Write a short note on : 14
 - (a) Oxidation and supergene enrichment process.
 - (b) Ti-v ores in REE carbonates.
 - (c) Greisens deposits.

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