



## M.Sc. II Semester Degree Examination, October - 2023

### 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) Process of magmatic concentration
  - (b) Controls and localization of ore deposits
2. Add a note on : **14**
  - (a) Classification of oxide ores
  - (b) Classification of industrial ores
3. Answer the following : **14**
  - (a) Cyprus type Cu-Zn ores of silicic igneous rocks
  - (b) Ores of sedimentary affiliation
4. Discuss the following : **14**
  - (a) Mineralogy, origin and occurrences of manganese distributions in India
  - (b) Mineralogy, origin and occurrences of aluminium distributions in India
5. Write a note on : **14**
  - (a) Residual and mechanical concentration process
  - (b) Hydrothermal ores
6. Explain the following : **14**
  - (a) Gold deposits
  - (b) Cement raw materials
7. Discuss the following : **14**
  - (a) Origin, occurrences and industrial applications of refractory minerals
  - (b) Origin, occurrences and industrial applications of ceramic minerals
8. Write a short note on : **14**
  - (a) Sedimentation process
  - (b) Skarn deposits
  - (c) Industrial applications of chromium

