

1. Answer the following questions in short:

- What do you mean by 'ore guide'?
- Define the 'Sampling'.
- What do you mean by Grade of ore?
- What is tonnage factor?
- What is the principle of seismic prospecting?
- What do you mean by Bore hole logging?
- What is geochemical cycle?
- What is secondary dispersion?
- What is the work of Atomic Absorption Spectrometre?
- Write down the name of mineral having plutonic association.

2. Write down the answers in short:

- What do you mean by Stratigraphic ore guides?
- Define tonnage factor.
- Write down the principle of Electric Resistivity Survey.
- Write note on main types of Geochemical Survey.
- Write a note on Emission - Spectrograph.

3. Describe various types of 'drillings'.

Or

Write down general principles & procedures of 'Sampling'.

4. Write down the methods of calculating tonnage & grade of ores..

Or

Write notes on:-

(a) Average grade

(b) Borehole logs

5. Write an essay on radiometric survey, its application & interpretation of data.

Or

Write an essay on principles and borehole logging methods.

6. Write a note on main types of Geochemical Survey.

Or

Write notes on:-

(a) Biogeochemical Survey

(b) Pedogeochemical Survey

7. Write notes on:-

(a) Deposits of plutonic-association

(b) Atomic absorption spectrometer

Or

Write notes on:-

(a) Statistical treatment of geochemical data

(b) Emission Spectrograph & XRF.