

**Bachelor of Science B.Sc. Semester-V (C.B.S.)**  
**Examination**  
**GEOLOGY**  
**Paper—I**  
**(Economic Geology)**

Time—Three Hours] [Maximum Marks—50

**N.B. :**— (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Give an account of the following :
  - (A) Hydrothermal deposits
  - (B) Contact metasomatic deposits.

**OR**

Describe in brief :

- (i) Magmatic Injection deposits
- (ii) Magmatic Segregation deposits
- (iii) Magmatic Dissemination deposits.

2. (A) Describe the process of supergene sulphide enrichment for the formation of ore deposits.

**OR**

Describe the following :

- (B) Sedimentary deposits
- (C) Metamorphic deposits.

3. Give an account of the following :

- (A) Lead and zinc deposits of India.
- (B) Oil fields of Gujarat.

**OR**

Describe the following :

- (C) Chromite deposits of India.
- (D) Asbestos deposits of India.

4. (A) Give an account of Manganese deposits of India with respect to mineralogy, uses, origin and geographical distribution.

**OR**

Give an account of the following :

- (B) Mica deposits of Bihar and Andhra Pradesh.
- (C) Neyveli lignite deposit.

5. Write on the following in not more than two sentences (solve any **TEN**) :

- (A) Zoning in Pegmatite
- (B) Grade of ore
- (C) Ore mineral

- (D) Eluvial placers
- (E) Eolian placers
- (F) Syngenetic ore deposits
- (G) Give any two uses of Talc
- (H) Give chemical composition of Pyrite
- (I) Give chemical composition of Graphite
- (J) Name any two ores of Copper
- (K) Name any two bands of Coal
- (L) Name any two Gondwana Coal deposits.