

NTK/KW/15/5893

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

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(Contd.)

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.