

M.Sc. Semester-I (C.B.C.S. Scheme) Examination

GEOLOGY

(Palaeobiology)

Paper-IV

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Give a detailed account of mode of preservation of fossils and physico-chemical conditions for their fossilization.

OR

Give a detailed account of types and significance of fossils. Add a note on geological time scale.

2. Give a detailed account of morphology, classification and geological history of gastropod.

OR

Give a detailed account of morphology, classification and geological history of nautilus.

3. Write notes on :
 - (a) Gondwana flora and its significance.
 - (b) Morphology of trilobites.

OR

- (c) Geological significance of foraminifera.
- (d) Causes of extinction of dinosaurs.

4. Write notes on :
 - (a) Chemical evolution.
 - (b) Taphonomy.

OR

Write notes on :

- (c) Limiting environmental factors for organisms.
- (d) Biological evolution.

5. Write notes on :
 - (a) Isolation and variation.
 - (b) Species concept and speciation.

OR

Write notes on :

- (c) Adaptation and mutation.
- (d) Palaeontological evidences of evolution.

