

AQ - 846

**First Semester M. Sc. (Part - I) (CBCS Pattern)
Examination**

GEOLOGY

**Paper - IV
(Palaeobiology)**

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

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

(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :—

(a) Modes of preservation of fossils.

(b) Classification of organisms.

OR

(c) Preparation and nomenclature of fossils.

(d) Types of fossils.

2. Describe in brief morphology, evolutionary trends and geological history of ammonoids.

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OR

Describe in brief morphology, evolutionary trends and geological history of Bivalves.

3. Write in brief on the following :—

- (a) Causes of dinosaur extinction.
- (b) Geological distribution and significance foraminifera.

OR

- (c) Morphology of ostracodes.
- (d) Gondwana flora.

4. Write in brief on the following :—

- (a) Precambrian life.
- (b) Taphonomy.

OR

- (c) Nature of substrate and Food as environmental factors.
- (d) Biological evolution.

5. Describe in detail about mutation and adaptation.

OR

Give a detail account of species concept and speciation.

