

Roll No. ....

Total Pages : 2

CMDE/M-24

4719

**PALAEOBIOLOGY AND  
MICROPALAEONTOLOGY**

Paper-G-204

Time Allowed : 3 Hours]

[Maximum Marks : 75

**Note** : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

**Compulsory Question**

1. Write short notes on any three of the following :
  - (a) Lower Gondwana flora.
  - (b) Graptolites.
  - (c) Conodonts.
  - (d) Charophytes.

**UNIT-I**

2. Discuss the Evolution of Man.
3. Write notes on the following :
  - (a) Applications of Palaeobotany.
  - (b) Concepts of Organic evolution.

**UNIT-II**

4. Discuss the Morphology and Geological history of Trilobites.
5. Write brief notes on the following :
  - (a) Evolutionary trends in Brachiopods.
  - (b) Morphology of Gastropods.

**UNIT-III**

6. Discuss the Morphology of Foraminifera.
7. Write brief notes on the following :
  - (a) Radiolarians.
  - (b) Chitinozoan.

**UNIT-IV**

8. Discuss the applications of Microfossils in Fossil fuel exploration.
9. Attempt the following :
  - (a) Morphology and Ecology of Dinoflagellates.
  - (b) Morphology and Ecology of Acritarchs.