

Roll No. ....

Total Pages : 2

**CMDQ/D-23**

**5209**

## **PALAEONTOLOGY-I**

Paper-GT-501

Time allowed : 3 Hours]

[Maximum Marks : 100

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

### **Compulsory Question**

1. Write short notes on the following:
  - (i) Uses of fossils
  - (ii) Trilobites
  - (iii) Conodonts
  - (iv) Palaeoecology.

### **UNIT-I**

2. Discuss the modes of preservation of fossils.
3. Write notes on the following:
  - (a) Major extinctions in geological past.
  - (b) Scope of Palaeontology.

### **UNIT-II**

4. Discuss the Morphology of Gastropods.
5. Write brief on the followings:
  - (a) Physa
  - (b) Rynchonella.

### **UNIT-III**

6. Describe the brief morphology of Foraminifera.
7. Write brief on the followings:
  - (a) Classification of ostracods.
  - (b) Morphology of Radiolarians.

### **UNIT-IV**

8. What is Palynology? Discuss its applications.
9. Write brief on the followings:
  - (a) Morphology of spores and pollen.
  - (b) Microfossils and their uses in hydrocarbon exploration.