

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.