

M.Sc.(Geology) (CBCS Pattern) Semester - IV
PSCGEOT16.1 - Paper-IV : Palaeobiology

P. Pages : 2

Time : Three Hours



GUG/S/23/11393

Max. Marks : 80

-
- Notes : 1. All question are compulsory and carry equal marks.
2. Draw neat sketches wherever necessary.

1. Describe in details theories about origin of life.

OR

Write short on the following.

- Carbonization
- Petrifactions.
- Evolution theories of life.
- Index fossils significance.

2. Write in details the morphological and geological history of Brachiopoda phylum.

OR

Write a notes on the following.

- Morphology of Bivalvia.
- Physa.
- Ichofossils and significance.
- Dentition in Pelecypods.

3. Give an account of Diagnostic characters and geological significance of Diatoms.

OR

Write a notes on the following.

- Geological significance of calcareous algae.
- Morphology of Polynomorphs
- Types of Microfossils
- Reproduction in for a minifera.

4. Describe in details in morphology and geological significance in Echinodea.

OR

Write a notes on the following.

- a) Examples of Indian Dinosaurs.
- b) Causes and Extinction of Dinosaurs.
- c) Lower Gondwana Plant.
- d) Vertebrate life through ages.

5. Write a short notes on the following.

- a) Chemical fossils.
- b) Mould and cast.
- c) Octopus.
- d) Cuttlefish.
- e) Microfossils.
- f) Basic ideas about micropaleontology.
- g) Thorax.
- h) Cephalon.
