

M.Sc. (Geology) CBCS Pattern Sem IV
PSCBOTT16.1 / PSCGEOT16.1 - Paper-IV (FC-II) : Paleobiology

P. Pages : 2

Time : Three Hours



GUG/S/18/20255

Max. Marks : 80

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

1. Describe in brief various processes of fossilization.

OR

Write short notes on:

- a) Extinction of life.
- b) Inorganic theories of origin of life.
- c) Index fossils.
- d) Types of fossils.

2. Describe diagnostic morphological characters of Bivalves and give their geological significance.

OR

Write short note on:

- a) Morphological characters of cephalopods.
- b) Geological significance of cephalopods.
- c) Morphological characters of Brachiopods.
- d) Geological significance of Brachiopods.

3. Discuss application of micropaleontology in petroleum exploration.

OR

Write short notes on

- a) Morphological characters of Foraminifera
- b) Geological significance of Calcareous algae.
- c) Morphological characters of Diatoms.
- d) Significance of palynomorphs.

4. Describe diagnostic morphological characters of Trilobite and give their geological significance.

OR

Write short notes on:

- a) Gondwana flora.
- b) Indian Dinosaurs.
- c) Significance of Echinoids.
- d) Vertebrate Life during mesozoic.

5. Write in brief on:

- a) Concept of species.
- b) Evolution of life.
- c) Ichnofossils.
- d) Gastropods.
- e) Types of microfossils.
- f) Morphological characters of polymorphs.
- g) Causes of extinction of Dinosaurs.
- h) Vertebrate life during cenozoic.
