

M.Sc.(Geology) (CBCS Pattern) Fourth Semester CBCS
PSCGEOT16.1-Paper-IV (FC-2) Foundation Course: Paleobiology

P. Pages : 2

Time : Three Hours



GUG/W/18/11393

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 theories about origin of life.

OR

Write short notes on:

- a) Index fossils.
- b) Processes of fossilization.
- c) Types of fossils.
- d) Evolution of life.

2. Describe diagnostic morphological characters of Brachiopods and give their significance.

OR

Write short notes on:

- a) Ichnofossils.
- b) Significance of cephalopods.
- c) Diagnostic morphological characters of Bivalves.
- d) Significance of Gastropods

3. Describe diagnostic morphological characters of foraminifera and give their geological significance.

OR

Write short notes on:

- a) Types of microfossils based on composition.
- b) Micropaleontology in petroleum exploration.
- c) Geological significance of calcareous algae.
- d) Geological significance of diatoms.

4. Describe diagnostic morphological characters Trilobites and give their geological significance.

OR

Write short notes on:

- a) Gondwana flora.
- b) Vertebrates during Paleozoic
- c) Indian Dinosaurs
- d) Geological significance of Echinoids.

5. Write in brief on:

- a) Concept of species.
- b) Zone fossils.
- c) Coiling in gastropods.
- d) Suture lines in Cephalopods.
- e) Palynomorphs.
- f) Morphology of Diatoms.
- g) Causes of extinction of Dinosaurs.
- h) Vertebrates during Cenozoic.
