

C 21184

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Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2017

(CUCBCSS—UG)

Geology

GLY 6B 18—PALAEOLOGY

Time : Three Hours

Maximum : 80 Marks

Draw neat sketches wherever necessary.

Part A

Answer all ten questions in one word or one sentence each.

1. Which is the most favourable environment for the preservation of fossils ?
2. The name given to the tests of foraminifers that are composed of organic material, made from small pieces of sediment cemented together.
3. The conical or cup shaped initial theca of a graptolite colony is called _____.
4. The typical symmetry exhibited by pelecypods.
5. A typical example of a gastropod showing sinistral coiling.
6. The belemnites belong to the Sub-Class _____ of Class Cephalopoda.
7. What is the ventral valve of a brachiopod called ?
8. The Phylum to which Cidaris belongs.
9. A genus of small blind Cambrian and Ordovician trilobites.
10. The leaf scars in *Lepidodendron* are _____ shaped.

(10 × 1 = 10 marks)

Part B (Short Answer Type Questions)

*Answer any ten questions.
Each question carries 2 marks.*

11. Habitats.
12. Trace fossils.
13. Dimorphism.
14. Phylum.
15. Rhabdosome.
16. Lunule and Escutcheon.

Turn over

17. Murex.
18. Sinistral coiling.
19. Siphuncle.
20. Delthyrium.
21. Calyx.
22. Class Mammalia.

(10 × 2 = 20 marks)

Part C (Paragraph Type Questions)

Answer any five questions.

Each question carries 6 marks.

23. Uses of fossils.
24. Classification and geological history of foraminifers.
25. Geological distribution and stratigraphic importance of Graptolites.
26. Dental patterns in Class Pelecypoda.
27. Suture line patterns of Cephalopods.
28. Classification of Phylum Brachiopoda.
29. General morphology of Class Echinoidea.
30. Glossopteris flora.

(5 × 6 = 30 marks)

Part D (Essay Type Questions)

Answer any two questions.

Each question carries 10 marks.

31. Give an account of the various modes of preservation of fossils.
32. Describe the general morphology and classification of the Class Anthozoa -Phylum Coelenterata.
33. Give an account of the general morphology and geological history of Gastropods.
34. Explain the general morphology and evolutionary trend of the Trilobites.

(2 × 10 = 20 marks)