

16U622

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Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2019

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15U GL6 B18 - PALAEOLOGY

Geology - Core Course

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

Part A

Answer *all* questions. Each question carries 1 mark.

1. The set of ecological conditions that supports the existence of an organism.
2. Actively swimming marine organisms.
3. Era of reptiles.
4. The inner wall dividing the cephalopod shell to chambers.
5. Fundamental unit of biological classification.
6. Outer wall of corallites.
7. The plates that surround the opening in the brachial valve of brachiopods.
8. The geological period considered as age of fishes.
9. Centrally spaced tube like feature in nautilus.
10. Index fossil of middle cambrian.

(10 x 1 = 10 Marks)

Part B

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

11. Foramen.
12. Commissure.
13. Orthocone cephalopod.
14. Siphuncle.
15. Umbo.
16. Costae.
17. Ambulacra.
18. Holostomatus.
19. Tetragraptus.

20. Agnostus.
21. Theca.
22. Lagenella.

(10 x 2 = 20 Marks)

Part C

Answer any *five* questions. Each question carries 6 marks.

23. Trace fossils and their significance in paleo-environment reconstruction.
24. Coiling types and surface ornamentations in Gastropods.
25. Suture patterns of Cephalopods.
26. Uniserial, biserial and triserial foraminifera.
27. Morphology of regular echinoids.
28. Difference between brachiopoda and pelecypoda.
29. Rugose corals and their stratigraphic significance.
30. Modes of fossilization.

(5 x 6 = 30 Marks)

Part D

Answer any *two* questions. Each question carries 10 marks.

31. Describe the morphology, stratigraphic significance and geologic history of Trilobites. Add a note on evolutionary trends exhibited by Trilobites.
32. Give an account of the classification of plant kingdom and briefly explain the morphology, stratigraphic significance of Gondwana flora.
33. Explain the morphology, stratigraphic significance and geologic history of Brachiopods.
34. Discuss the morphology, stratigraphic significance and geologic history of Class Crinoidea of Phylum Echinodermata.

(2 x 10 = 20 Marks)
