

17U622

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Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS - UG)

(Regular/Supplementary/Improvement)

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 in one word or one sentence. Each question carries 1 mark.

1. The study of trace fossils is termed _____
2. The branch of palaeontology that deals with the processes of fossilization of pollers.
3. The geological ages during which fishes appeared for 1st time on earth.
4. Scientist who is considered as the founder of vertebrate paleontology.
5. The foraminifera ranges from _____ to the present.
6. Name the world's primary reef forming corals of today.
7. Structure that acts as a spring to keep the valves opened in bi-valve shells.
8. Line or region of junction between two adjacent whorls in the gastropod shell.
9. A triangular-shaped brachiopod with a long, straight hinge line about 2-7 cm in length.
10. How many classes of vertebrates currently exist?

(10 x 1 = 10 Marks)

Part B (Short answer type questions)

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

11. Petrification.
12. Adductor and diductor muscles.
13. Gryphae.
14. Rugose corals.
15. Monograptus.
16. Micraster.
17. Calyx.
18. Index fossils.
19. Aristotle's lantern.
20. Stromatolites.
21. Lepidodendron.
22. Murex.

(10 x 2 = 20 Marks)

Part C (Paragraph type questions)

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

23. Distinguish between body fossils and trace fossils.
24. Describe the different modes of preservation of hard and soft parts of organisms.
25. Explain the stratigraphic significance of foraminifera.
26. What are tabulate corals? Explain.
27. Describe the different types of sutures in cephalopods.
28. Describe the general morphology of echinoderms.
29. Write a note on the types of dentition in mollusca.
30. Describe the three main sections of the crinoid.

(5 x 6 = 30 Marks)

Part D (Essay type questions)

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

31. What is the stratigraphic significance of graptolites? Describe with evolutionary changes.
32. Discuss the morphological characteristics and geological distribution of a gastropod shell with help of neat sketch.
33. Describe the main elements of trilobite morphology.
34. Distinguish between brachiopods and pelecypods, especially regarding the shells.

(2 x 10 = 20 Marks)
