

15U622

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Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2018

(CUCBCSS - UG)

CC15U GL6 B18 - PALAEOLOGY

Geology - Core Course

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

Part A

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

1. An example of gastropod showing sinistral coiling.
2. The earliest vertebrates.
3. Raised part of the center of a trilobite.
4. An abundant and widespread trilobite of the Cambrian is Paradoxides. It is thus a good example of an _____ fossil, useful in correlation.
5. The first formed part of a bivalve shell.
6. The line along which the valves meet in brachiopods.
7. The name given to an entire graptolite colony.
8. The branch of science which studies spores and pollen.
9. The term used to denote the “shell” of foraminifers and radiolarians.
10. In echinoderms, the plates with pore pairs through which the tube feet emerge.

(10 x 1 = 10 Marks)

Part B

(Short answer type questions)

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

11. Peat.
12. Ichnofossils.
13. Binomial Nomenclature.
14. Paradoxides.
15. Stratigraphic range of cephalopods.
16. Micraster.
17. Inarticulate brachiopods.
18. Taxodont vs Dysodont bivalve.
19. Nautilus.

20. Favosites.

21. Calyx.

22. Dextral coiling.

(10 x 2 = 20 Marks)

Part C

(Paragraph type questions)

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

23. Compare tabulate and rugose corals.

24. Stratigraphic importance of graptolites.

25. Draw and label the main elements of trilobite morphology.

26. Use of fossils in palaeoclimatic reconstruction.

27. Distinguish between brachiopod and bivalve shell.

28. Draw and label a gastropod shell.

29. Describe different modes of preservation of fossils.

30. Classification of foraminifers.

(5 x 6 = 30 Marks)

Part D

(Essay type questions)

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

31. Describe the evolutionary trends of the suture pattern of Ammonoids.

32. Compare and contrast regular and irregular echinoids.

33. Describe the morphology of brachiopods.

34. Give a brief account of the plant fossils of India.

(2 x 10 = 20 Marks)
