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(Pages : 2)

Name.....

Reg. No..... **34**.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015

(UG-CCSS)

Core Course – Geology

GL 5B 10 – PALAEOLOGY

(2009–2012 Admissions)

Time : Three Hours

Maximum : 30 Weightage

Illustrate your answers with neat sketches wherever necessary.

I. Objective Type Questions. Answer all *twelve* questions :

1. The fossil remains of distinct assemblage have value for determining stratigraphic position in the Geologic column.
2. Type of protozoa in which the body consists of a central mass of protoplasm, enclosed in a membrane.
3. A special opening in the protozoa for ingest their food.
4. The outer body-wall layer of Coelenterates.
5. The Period in which the Gastropods first appears.
6. The Pelecypods possess one adductor muscle.
7. The type of shell coil in which the aperture will be on the right-hand side.
8. Name the exoskeleton of Anthozoa.
9. The group of Brachiopods with dental system.
10. Name the gasteropod having conical whorl with a convex base.
11. Name the portion of suture – lines which are convex towards the mouth of the shells in ammonoids.
12. Stratigraphic range of Terebratula.

(12 × ¼ = 3 weightage)

II. Short Answer Type Questions. (Answer all *nine* questions) :

13. What do you mean by septa in corals?
14. What is pallial sinus?
15. Explain guard in belemnites.

Turn over

16. Explain dentition in pelecypods.
17. What is an umbo?
18. What is columella?
19. Explain calyx in crinoids.
20. Explain Lepidodentron.
21. Explain Palynology.

(9 × 1 = 9 weight)

III. Short Essay Type Questions. Answer any *five* of the following :

22. Briefly describe morphology and geologic distribution of Phacops.
23. What is apical disc?
24. Explain the different types of suture lines in ammonoids.
25. Explain the stratigraphic distribution of trilobites.
26. Explain regular and irregular echinoids.
27. Classification of Foraminifera.
28. Explain Plant fossils of India.

(5 × 2 = 10 weight)

IV. Essay Type Questions. Answer any *two* of the following :

29. Describe the morphology and internal soft parts of a cephalopod and its fossilization process. Add a note on types of suture pattern and evolutionary trend exhibited by Cephalopods through Geologic time.
30. Describe the morphology and distribution of Brachiopods.
31. What are fossils? Explain the nature and modes of preservation and uses of fossils.

(2 × 4 = 8 weight)