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Name.....30.....

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION
NOVEMBER 2014**

(UG-CCSS)

Core Course – Geology

GL 5B 10 – PALAEOLOGY

Time : Three Hours

Maximum : 30 Weightage

Illustrate your answers with neat sketches wherever necessary.

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

1. A diagnostic plant fossil of Lower Gondwana.
2. An inarticulate brachiopod.
3. The earliest bird.
4. A trace fossil.
5. Era of reptiles.
6. The class to which corals belong.
7. A Sinistral gastropod.
7. Age of spirifer.
8. Linear depression caused by the attachment of the muscles of the mantle to the shell.
9. Centrally spaced tube like feature in nautiloid.
10. Study of fossil spores and pollen.
11. The Era of Modern Life.

(12 × ¼ = 3 weightage)

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

- | | |
|--------------------|----------------------|
| 13. Siphuncle. | 14. Siwalik mammals. |
| 15. Pallial sinus. | 16. Diatoms. |
| 17. Arca. | 18. Leaked fossil. |
| 19. Peristome. | 20. Index fossil. |
| 21. Gangamopteris. | |

(9 × 1 = 9 weightage)

Turn over

III. Short Essay Type Questions. Answer any *five* questions :

22. Life through ages.
23. Ornamentation in Gastropoda.
24. Geologic history of brachiopoda.
25. Devonian fishes.
26. Use of foraminifera in petroleum exploration.
27. Fossilization.
28. Graptolites

(5 × 2 = 10 weightage)

IV. Essay Type Questions. Answer any *two* questions :

29. Draw a neat sketch of the morphological features of a trilobite fossil and describe. Add a note on its geologic distribution.
30. Explain the morphological features of Echinoidea and their distribution.
31. What are suture lines? Add notes on their significance in the study of ammonoids.

(2 × 4 = 8 weightage)