15043

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2015.

FIRST SEMESTER

Geology

Paper III — PALAEONTOLOGY AND STRATIGRAPHY

Time : Three hours Maximum : 75 marks

(No additional sheet will be supplied)

SECTION A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Discuss the importance of fossils.
2. Conditions of fossilisation.
3. Index and Zone fossils.
4. Ostracoda.
5. Morphological characters of Brachiopods.
6. Explain about the Geological Time scale.
7. Lithofacies.
8. Palaeoecology.

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SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Briefly explain modes of preservation of Fossils.

Or

10. Describe the standard geological time scale.

11. Write an essay on microfossils. Add a note on their application in petroleum exploration.

Or

12. Write an essay on Ecology and Palaeoecological significance of Ostracoda.

13. Describe morphological characters and Geological history of Echinoids.

Or

14. Describe the morphology and Geological distribution of Corals.

15. Describe the Basic principles of stratigraphy.

Or

16. Give an account of Sequence Stratigraphy.

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