

15043

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2019

FIRST SEMESTER

Geology

Paper III — PALAEOLOGY AND STRATIGRAPHY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Index fossil.
2. Taphonomy.
3. Morphological characters of ostracoda.
4. Advance in micropaleontology.
5. Difference between lamellibranches and brachiopods.
6. Geological distribution of corals.
7. Stratigraphic terminology.
8. Concept of lithofacies.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Give an account of evolution of life through geological time scale.

Or

10. What are fossils? Explain the modes of preservation of fossils.
11. Explain the utility of microfossils in exploration of hydrocarbon.

Or

12. Explain the morphology and classification of foraminifera. Add note on structure and composition of foraminiferal test with examples.

13. Write an essay on morphology classification and evolutionary history of Gastropods.

Or

14. Give an account of evolution of man with neat sketches.

15. Briefly explain the principles of paleogeography and paleoclimate. Add note on stratigraphy sequence.

Or

16. Write an essay on scope, history and evolution of stratigraphy.

