

15044

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2019.

FIRST SEMESTER

Geology

Paper I – INDIAN GEOLOGY AND FIELD GEOLOGY

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. Economic importance of Archeans.
2. Structure of vindhyan super group.
3. Fossils of Gondwana super group.
4. Succession of Siwaliks.
5. Deccan traps.
6. Triassic series.
7. Toposheet and map.
8. Basic field observations at a point (or) out crop.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write an essay on the major stratigraphic divisions and their equivalents in India.

Or

10. Give a detailed an account of classification, lithology, structure and economic importance of cuddapah system.

11. Write an essay on cretaceous formations of India.

Or

12. Briefly explain the origin, composition and distribution of Deccan traps.

13. Write an essay on age problems pertaining to Indian stratigraphy of saline series.

Or

14. Give a detailed study of Precambrian — Cambrian boundary problems with reference to India.

15. Write an essay on basic field procedure.

Or

16. Briefly explain the direct and indirect methods of contouring and uses.

