15044

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

FIRST SEMESTER

Geology

Paper IV — 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 Archaeans.
2. Kurnool group.
3. Inter trapeans.
4. Tertiary rocks of Andhra Pradesh.
5. Age of Deccan traps.
6. Precambrian- Cambrian boundary.
7. Reconnaissance survey.
8. Toposheet.

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PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Describe the classification and economic importance of Cuddapah Supergroup.

Or

10. Explain briefly about the major stratigraphic divisions and their equivalents in India.

11. Explain the structure, classification and fossil content of Gondwana Supergroup.

Or

12. Explain the origin, composition and distribution of Deccan Traps.

13. Discuss in detail the boundary problem between Cretaceous and Tertiary.

Or

14. Discuss about the age of Saline series.

15. Give a brief account on the procedures for preparation of geological cross section.

Or

16. Describe the basic field procedures for determination of slopes and gradient.

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