

M.Sc. DEGREE EXAMINATION, NOVEMBER 2016.

THIRD SEMESTER

Geology

Paper II — ENERGY RESOURCES

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. Position of oil and gas in India.
2. Reservoir rocks.
3. Proximate and ultimate analysis.
4. Coal fields of Andhra Pradesh.
5. Distribution of Uranium deposits.
6. Future prospects of Atomic minerals.
7. Wind Energy.
8. Hydal Energy.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Explain the origin, migration and accumulation of oil and gas.
Or
10. Write an essay on the Petroliferous basins of India.
11. Discuss in detail about the origin and classification of coal.
Or
12. Give a brief account on the distribution of coal deposits in India.

13. What are atomic minerals? Explain mode of occurrence and association with other radioactive minerals.

Or

14. Explain in detail about the method of prospecting of radioactive minerals.
15. Discuss in detail about the production application of geothermal energy.

Or

16. Explain in detail about the production and application of solar energy.

