

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. Origin of petroleum.
2. Gas hydrates.
3. Geographical distribution of Coal in former A.P.
4. Chemical characterization of coal.
5. Prospecting of atomic minerals.
6. Uranium deposits.
7. Tidal energy.
8. Geothermal energy.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Describe the Krishna – Godavari basin with respect to structural setting, geology and petroleum prospects.

Or

10. Explain the organic and inorganic theories of petroleum.

11. Explain in detail geology for important coal fields of India.

Or

12. Write an essay on origin and classification of coal.

13. Give an account of atomic fuels and environment.

Or

14. Discuss about the mode of occurrence and association with other radioactive minerals.

15. Explain the energy resource of wind system.

Or

16. Write an essay on energy resources of solar system.

