

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PESC1C03 - ENERGY AND ENVIRONMENT

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. Define renewable energy resources.
2. What are the importance of non renewable energy resources?
3. What is fossil fuels?
4. Comment on the limitations of non renewable energy.
5. Describe the issues in fossil fuel exploration.
6. Define Nuclear fuel processing.
7. Comment on Energy production and impacts on air.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Briefly discuss the energy flow in an ecosystem with diagram.
9. Comment on non- renewable energy reserves and usage pattern in India.
10. Explain the process of nuclear energy generation.
11. What are the different types of nuclear reactors present in India?
12. What are the ecological and environmental effect of nuclear radiation?
13. Explain the environmental issues associated with multipurpose power projects in India.
14. Write a short note on Energy use pattern in different parts of the world.

(4 × 3 = 12 Weightage)

Part-C

Answer any ***two*** questions. Each question carries 5 weightage.

15. Discuss the type and forms of energy.
16. Define solar constant , Explain the distribution and importance of solar radiation in an ecosystem.
17. Explain Renewable energy resources and its type in India.
18. Discuss modern techniques for energy resource recovery using different methods.

(2 × 5 = 10 Weightage)
