

24P119

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC1 C03 - ENERGY AND ENVIRONMENT

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Comment on ecologically important radiations.
2. What is tropic level in an ecosystem?
3. Comment on the limitations of non renewable energy.
4. Discuss Environmental impacts of fossil fuels utilization.
5. What are the different modern techniques for energy resource recovery?
6. Explain radioactivity risk assessment.
7. Define energy transformation.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Define thermodynamics and its different laws.
9. Discuss the importance of solar radiation.
10. What are the advantages and disadvantages of fossil fuels?
11. Comment on world's energy usage pattern.
12. Explain the different steps and methods of geothermal energy generation.
13. What are the myths and facts related to nuclear energy generation?
14. Explain the environmental issues associated with multipurpose power projects in India.

(4 × 3 = 12 Weightage)

Part-C

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

15. Define geological time scale and formation of fossil fuels in the geological time scale.
16. Discuss modern techniques for energy resource recovery using different methods.

17. What are the risk and benefits associated with nuclear reactors, explain with the view of nuclear accidents?
18. Discuss Energy production and impacts on environment.

(2 × 5 = 10 Weightage)
