

22P119

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. Explain second law of thermodynamics.
2. Define solar radiation.
3. What are the importance of non renewable energy resources?
4. Comment on the importance of fossil fuels in modern economy.
5. Define nuclear-fission.
6. Define Dose.
7. What are the different reasons for Energy crisis?

(4 × 2 = 8 Weightage)

Part-B

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

8. What are the advantages and disadvantages of nonrenewable energy?
9. Differentiate food chain and food web.
10. Explain the role of fossil fuels on modern economy.
11. What are the environmental impact of fossil fuel usage in Kerala?
12. Explain the advantages and disadvantages of wind energy.
13. Explain the different techniques used for radioactive waste management.
14. What are the measures taken to reduce the impact of energy generation.

(4 × 3 = 12 Weightage)

Part-C

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

15. Write a note on Environmental impacts of fossil fuels exploitation and utilization.
16. Define secondary energy resources and its different types.
17. What are the risk and benefits associated with nuclear reactors? Explain with the view of nuclear accidents.
18. Define energy and discuss Energy crisis and challenges of energy transformation.

(2 × 5 = 10 Weightage)
