

19P119

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCSS PG)

CC19P ESC1 C03 – ENERGY AND ENVIRONMENT

(Environmental Science)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

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

1. Differentiate between conventional and nonconventional energy.
2. Write a note on Ecological importance of solar radiation.
3. Enumerate the impacts of fossil fuel exploitation.
4. Write any four alternative energy resources.
5. What is radio active waste? How does it get dispensed to the environment?
6. What is energy conservation? Suggest few measures of energy conservation.
7. What is Multipurpose power project? Name any four multipurpose hydroprojects in India.

(4 x 2 = 8 Weightage)

II. Write a short essay on any *four* of the following. Each question carries 3 weightage.

8. How does energy production affect air quality? Discuss.
9. What are the advantages and disadvantages of geothermal energy?
10. What is biomass gasification? Explain briefly.
11. Discuss the role of fossil fuels in modern economy.
12. What is entropy? Explain it with respect to trophic levels in an ecosystem.
13. Explain briefly nonconventional energy resources.
14. Briefly explain the different type of Nuclear Reactors.

(4 x 3 = 12 Weightage)

III. Write a long essay on any *two* of the following. Each question carries 5 weightage.

15. Discuss in detail sustainable energy management, problems and solutions.
16. Describe non-renewable energy resources, usage and limitations.
17. Explain energy production associated environmental impact on air water and land.
18. Enumerate laws of thermodynamics. Explain forms and types of energy.

(2 x 5 = 10 Weightage)
