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MRW-007

**MASTER OF SCIENCE (RENEWABLE
ENERGY AND ENVIRONMENT)**

(MSCRWEE)

Term-End Examination

December, 2024

**MRW-007 : ENERGY ECONOMICS AND
PLANNING**

Time : 3 Hours

Maximum Marks : 70

Note : (i) Attempt any **seven** questions.

(ii) All questions carry equal marks.

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|--------|--|---|
| 1. (a) | Describe the functions of a leader. | 5 |
| (b) | Define the concept of elasticity of demand and explain its utility. | 5 |
| 2. (a) | How does economic growth contribute to the growth of infrastructure sector ? | 5 |
| (b) | Discuss the important elements of integrated energy policy in India. | 5 |

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3. Discuss the various factors that drive energy policy. 10
4. Explain any *two* environmental laws and discuss their implications in Southeast Asia. 10
5. Describe *three* distinct stages in consideration of total quality of product. 10
6. If a person deposits ₹ 100 at the end of first year, ₹ 200 at the end of second year and ₹ 250 at the end of third year in a bank. What will be the future value if the interest rate is 10% ? 10
7. Distinguish between the following : 5+5=10
 - (a) Economic man model and Gamesman model
 - (b) Commercial energy sources and Non-commercial energy sources
8. Explain the step-by-step procedure of life cycle analysis of a stand alone PV system. 10

[3]

9. Write short notes on any *two* of the following :

5+5=10

- (a) Integrated rural energy planning
- (b) Energy Efficiency Gap
- (c) Control charts
- (d) Multilateral agreements

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