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MRW-007

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

(MSCRWEE)

Term-End Examination

June, 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.

(iii) Use of scientific calculators is permitted.

1. (a) Discuss the basic role of manager in any organization. 5
- (b) How a business decision-making is an economic process ? Explain. 5
2. Explain the need for privatisation and commercialization in detail with the help of suitable example. 10
3. What in pricing mechanism. Discuss the various factors which drive energy prices. 10

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4. Discuss any *two* important International environmental agreements. 10
5. (a) Explain the International Monetary Fund (IMF) in brief. 5
(b) Discuss the design of single sampling plan with the help of suitable example. 5
6. Calculate the annual amount required to pay off using capital recovery factor, when ₹ 5,00,000 is invested for the period of 5 years at 20% interest rate. 10
7. (a) Discuss the economic man model of a decision- making process. 5
(b) Explain the significance of integrated rural energy planning with suitable example. 5
8. Define the term Life cycle cost and explain its significance. 10
9. Write short notes on any *two* of the following : 5+5
 - (a) Strategy of optimization
 - (b) Energy used in agriculture sector
 - (c) Interaction matrix
 - (d) Role of UN (United Nation)