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**MRW-007**

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

**(MSCRWEE)**

**Term-End Examination**

**June, 2023**

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

*Time : 3 Hours*

*Maximum Marks : 70*

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

(ii) All questions carry equal marks.

(iii) Use of scientific calculator is permitted.

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1. Why an effective control process is needed in an organization ? Discuss the different types of control process. 10
2. Discuss the Indian economic environment in detail. 10
3. Explain the World Bank's environmental agenda. 10
4. Discuss the natural gas pricing offers in detail. Explain the various cost components associated with it. 10

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5. Describe the significance of mean, mode and median with the help of suitable example. 10
6. (a) What is time value of money ? How does it affect managerial decision ? Explain with the help of example. 5
- (b) Describe the gamesman model of decision making process. 5
7. (a) What is technology adoption and diffusion ?
- (b) How the lifecycle cost of an optimal mix will be determined ? When the demand is to be met by PV and gasifier based generation system ?
8. Describe the various reasons for market failure. 10
9. Write short notes on any *two* of the following : 5+5=10
  - (a) Energy-Efficiency Gap
  - (b) X-R Charts
  - (c) Energy Pricing

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