

F - 1602

Bachelor of Vocation (Fourth Semester) EXAMINATION, May-June, 2022

Renewable Energy Technology & Management (New Course)

Energy Management, Auditing and Utilization (RETM - 401)

Time : Three Hours]

[Maximum Marks:80

Note : Attempt any four questions selecting one question from each unit. All questions carry equal marks.

Unit - I

1. Describe the Energy Strategy for the future of Govt. of India. What are the few important technical feasibility parameters that one should consider during analysis of energy conservation opportunities?

OR

What are the objectives of Energy Management? Enumerate the duties and responsibilities of energy managers?

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Unit - II

2. What are the different types of energy audit? What are the base line data that an audit team should collect while conducting detailed energy audit?

OR

- (A) List down the major energy audits instruments and its use.
- (B) Define the energy audit as per the Energy Conservation Act 2001? Distinguish between preliminary energy audit and detailed energy audit.

Unit - III

3. Describe the Sankey diagram to represent an entire input and output energy flow in any energy equipment or system and its use.

OR

Describe Material and Energy balance. How to carryout Material and Energy (M&E) Balance?

Unit - IV

4. What are key elements of energy policy planning? Explain in brief. What kind of data is needed for key energy policy areas.

OR

What is the significance of an energy policy? Describe accountability of Energy Manager and how employees are motivated.

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