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OEY-003

**CERTIFICATE IN ENERGY
TECHNOLOGY AND MANAGEMENT
(CETM)**

Term-End Examination

December, 2025

**OEY-003 : ENERGY MANAGEMENT : AUDIT
AND CONSERVATION**

Time : 3 Hours

Maximum Marks : 70

Note : *Attempt any **seven** questions. All questions carry equal marks.*

1. Explain good housekeeping measures which are important for energy conservation at home. 10
2. What is evaporative cooling ? Explain the reasons for lowering of temperature by evaporation. 10
3. Explain any *two* devices based on PV technology. 10

4. What are the principal components of energy balance for the boiler ? Illustrate heat balance for boiler while generating steam. 10
5. Discuss various temperature measuring devices with their range and accuracy. 10
6. What are short-term and long-term energy conservation measures ? Explain with at least *five* suitable examples. 10
7. What are the objectives of the integrated rural energy plan ? How could they be achieved ? 10
8. (a) Briefly explain about the responsibilities and duties of energy manager in an industry. 5
(b) Explain how an HVAC system improves the energy efficiency. 5
9. Write short notes on any *two* of the following: 2×5=10
 - (a) Tuning of a boiler
 - (b) SANKEY diagram
 - (c) Animal Power

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