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BEE-002

**ADVANCED CERTIFICATE IN
POWER DISTRIBUTION
MANAGEMENT (ACPDM)
Term-End Examination**

June, 2025

**BEE-002 : ENERGY MANAGEMENT AND IT
APPLICATIONS**

Time : 3 Hours

Maximum Marks : 100

Note : *The question paper has three Parts :
Part I, Part II and Part III. Answer the
questions as indicated in each Part. All
questions should be answered in English
only.*

Part-I

1. Give full forms of the following abbreviations : 10×1=10
- (a) GPS

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- (b) CFL
- (c) AT&C
- (d) SLD
- (e) GDP
- (f) BEE
- (g) DTR
- (h) SCADA
- (i) MRI
- (j) WAN

Part-II

2. Attempt any *ten* of the following questions :

$$10 \times 7 = 70$$

- (a) Discuss the measures to address the problems faced in the implementation of DSM in the agricultural sector.
- (b) What are the major key areas of IT interventions in the distribution business ?
- (c) Explain the need for zoning for natural disasters. What zoning schemes are in practice for earthquakes ?

- (d) What does energy audit report contain ?
- (e) What is standards and labelling programme ? Explain how can it help in effective DSM.
- (f) What are the various actions recommended for reducing technical losses under energy audit process ?
- (g) Discuss the benefits of DSM for power utilities and the society.
- (h) What are the problems encountered in energy accounting ?
- (i) What medium, long-term and immediate strategies can be adopted for meeting the goal of clean energy for all ?
- (j) What are the problems encountered in energy accounting ?
- (k) Explain the need for a Disaster Management Plan for a power utility. Outline its objectives.

Part-III

3. Attempt any *two* of the following questions :

2×10=20

- (a) Describe the first aid measures to help the victims of :
 - (i) Electric shock
 - (ii) Burns
 - (iii) Heat stroke
- (b) Describe the benefits on the Geographic Information System for managing the power distribution system.
- (c) What IT applications can be used by the utilities for consumer satisfaction ?
Explain by giving suitable examples.

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