

**ADVANCED CERTIFICATE IN
POWER DISTRIBUTION
MANAGEMENT (ACPDM)
Term-End Examination
June, 2026**

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) *This question paper has three parts :
Part-I, Part-II and Part-III.*

(ii) *Answer the questions as indicated in
each part.*

(iii) *All questions should be answered in
English only.*

Part—I

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

- (b) SLDC
- (c) HHD
- (d) PSTN
- (e) MRI
- (f) LVDS
- (g) ERP
- (h) CRM
- (i) IVRS
- (j) ERC

Part—II

Note : Attempt any **ten** of the following questions. 10×7=70

2. Explain how can IT help in reducing AT and C losses and improving efficiency of power distribution. Give examples.
3. Explain the ESCO route to DSM.
4. Describe the main features of LEAP.
5. What is global warming ? How is our energy usage influencing it ?
6. What is Standards and Labelling Program ?
Explain how can it help in effective DSM.

7. What is spot billing ? Explain its advantages over traditional billing.
8. State the objectives of Energy conservation in Building Codes Program.
9. What is Energy Efficiency ? What are the benefits of improved energy efficiency ?
10. Explain the need for a Disaster Management Plan for a power utility. Outline its objectives.
11. What does energy audit report contain ?
12. What do you understand by Business Process Re-engineering ?

Part—III

Note : Attempt any *two* of the following questions. 2×10=20

13. What IT applications can be used by the utilities for consumer satisfaction ? Explain by giving suitable examples.

12. Describe the first aid measures to help the victims of :

- (a) Electric shock
- (b) Burns
- (c) Heat stroke

15. Discuss electrical safety procedures for working with :

- (a) Voltage upto 650 V and beyond
- (b) Transformers
- (c) Overhead lines
- (d) Underground lines

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