

**ADVANCED CERTIFICATE IN POWER
DISTRIBUTION MANAGEMENT (ACPD M)**

Term-End Examination

December, 2022

BEE-001 : POWER DISTRIBUTION SECTOR

Time : 3 hours

Maximum Marks : 100

Note : *This paper has **three** sections. Attempt **all** sections.*

SECTION A

*Attempt **all** questions.*

10×1=10

1. Fill in the blanks from the choices given below :

(profit centre, VI, scheduling, ABT, RLDC, trading, unity, billing and collection, grid, cooling)

- (a) The Electricity Act, 2003 has consolidated the law relating to generation, transmission, distribution and _____ of electricity.
- (b) Power factor in a pure resistive circuit is _____.
- (c) Grid management at regional level is done by _____.

- (d) Expected output capability is declared days ahead by _____.
- (e) _____ compliant meters are known as Special Energy Meters.
- (f) _____ is a component of ABT.
- (g) There is political interference in setting of _____ which results in substantial cross subsidization in retail tariff amongst various consumer categories.
- (h) The Electricity Act, 2003 had declared electricity as an industry and all streams of the electricity sector as individual _____.
- (i) Monitoring the parameters of the _____ is the prime real time function of the load dispatch centre.
- (j) Transformer oil serves the dual purpose of insulation and _____.

SECTION B

Attempt any **ten** questions.

10×7=70

2. Explain hotline maintenance techniques and tools.
3. What do you mean by Open Access ?
4. What is the role of CEA ?
5. State the function of BEE.
6. How did the formation of SERC help power sector ?
7. What does Grid Management involve ?
8. How can customer satisfaction be improved by power distribution utilities ?
9. Explain the term Benchmarking.
10. What may be the KPIs for consumer service in a distribution utility ?
11. How has the distribution scenario changed after the enactment of the Electricity Act, 2003 ?
12. Cite an example of a State Government achieving reforms in distribution sector.

SECTION C

*Attempt any **two** questions.*

2×10=20

- 13.** Discuss the salient features of the Electricity Act, 2003.

 - 14.** What are the stipulations of NTP ?

 - 15.** What do you understand by load scheduling and unscheduled interchange ?
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