

**ADVANCED CERTIFICATE IN POWER
DISTRIBUTION MANAGEMENT**

Term-End Examination

June, 2013

00354

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 :

1. Fill in the blanks : **10x1=10**
- (a) One of the focus of National Electricity Policy is progressive reduction in_____.
 - (b) Open Access to distribution has been envisaged initially for _____customers.
 - (c) Consumers have the right to get _____ supply of power.
 - (d) There is no need of _____in generation sector.
 - (e) All streams of electricity sectors are deemed as individual _____.
 - (f) License is required for _____of electricity.

- (g) Distribution Transformers are connected to consumers through_____ feeders.
- (h) _____ can be different at different points of grid.
- (i) _____ is meant to ensure desired operation frequency of the grid.
- (j) _____ based maintenance predicts potential machine failure.

SECTION-B

Attempt *all* questions :

10x3=30

2. What do you understand by Multi-year tariff ?
3. What do you mean by wheeling charges ?
4. What does 'Grid Code' specify ?
5. Mention the aspects covered in Energy Audit Report.
6. What may be the KPIs for human resources in a distribution utility ?
7. What do you understand by Capacity Building ?
8. Define T and D loss.
9. How does TTB help in meter testing ?
10. Define a 'Feeder' .
11. Distinguish between Power Cable and Control Cable.

SECTION-C

Attempt *any ten* questions :

10x6=60

12. State in brief primary objective of Electricity Act, 2003.
13. Explain in brief about Availability based Tariff.
14. What is the role of CTU ?
15. Write short notes on Energy Conservation Building Codes.
16. In what ways over coming of power shortage is envisaged in National Electricity Policy ?
17. What roles are needed from State Government to bring reform in power sector ?
18. Describe the role of CERC.
19. How formation of National Grid will help power sector ?
20. What are the advantages of Benchmarking ?
21. Why capacitors are provided in distribution system and where can it be put ?

22. Write short notes on Static Meters.
 23. Distinguish between Power Transformer and Distribution Transformer.
 24. What measures can be taken to address the challenges before power distribution sector ?
 25. What are the main factors underlying Commercial Losses ?
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