

ADVANCED CERTIFICATE IN POWER DISTRIBUTION MANAGEMENT
(ACPDM)

Term-End Examination

December, 2019

BEE-001 : POWER DISTRIBUTION SECTOR

Time : 3 hours

Maximum Marks : 100

Note : The question paper has four sections. Answer the questions as indicated in each section.

SECTION - A

1. Attempt all the questions in this section. 10x1=10
- (a) High Commercial losses are due to _____ bills.
 - (b) Poor management of Distribution Utilities due to lack of proper _____ and repair.
 - (c) _____ access to distribution initially for _____ customers are thrust areas of NEP.
 - (d) Primary circuits of feeders usually operating in the range upto _____ kV.
 - (e) Power factor improvement can be done by inclusion of _____.
 - (f) Circuit breaker is _____ device.
 - (g) CT's and PT's are _____.
 - (h) _____ has to be provided for improving quality of power supply.
 - (i) HT side of all transformer is normally protected by _____ type fuse.
 - (j) _____ is used for diverting the surges to earth resistance of earth.
- Choices : Inaccurate, Unbilled, Accountability, Open, Village, 11 kV, 33 kV, Capacitor, inductor, switching, instrument transform, drop out, lightning arrester, closed, tap changers.

SECTION - B

- Answer any ten questions. 10x2=20
- 2. How to improve Power factor in an LT system ?
 - 3. What does Grid Management involve ?
 - 4. What is plug setting in a relay ?
 - 5. Write the impact of LT/HT ratio on losses and voltage.
 - 6. Distinguish between Current and Potential transformer.
 - 7. What are the ways to reduce DTR failure rate in electrical utility ?