

**ADVANCED CERTIFICATE IN POWER
DISTRIBUTION MANAGEMENT**

Term-End Examination

00796

June, 2015

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

Time : 3 hours

Maximum Marks : 100

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

PART I

Question no.1 is compulsory.

1. Give full forms of the following :

10×1=10

- (a) LEAP
- (b) CIN
- (c) IVRS
- (d) PSTN
- (e) PLC
- (f) GSM
- (g) AMR
- (h) SCADA
- (i) DTR/DT
- (j) TCP/IP

2. Attempt any *two* of the following questions : $2 \times 5 = 10$

- (a) What is BPR ?
- (b) Identify the measures to be considered to improve energy efficiency.
- (c) What is enhanced greenhouse effect ?

PART II

Attempt any **five** questions.

5×10=50

3. Identify the techniques used for meter reading.
4. What are the various applications of GIS in management of Power Distribution system ?
5. Explain the important aspects of metering and billing.
6. Discuss the main features of LEAP.
7. What are the measures that should be considered for preventing cases of electric shocks ?
8. What is RRMS ? Explain with reference to utility.
9. Discuss the data acquired through AMR.

PART III

Attempt any two questions.

2×15=30

- 10.** Explain the software requirements of AMR.
 - 11.** List the different tools used for customer analysis. Outline their features. How do they benefit the utilities ?
 - 12.** What is business process re-engineering ?
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