

M. Tech.-III (Electrical -Power System) (CBCS – 2015 Course) :

WINTER - 2018

**SUBJECT : SELF STUDY PAPER – I: DEMAND RESPONSE & DEMAND SIDE
MANAGEMENT**

Day : Saturday
Date : 08/12/2018

W-2018-3288

Time : 11.00 AM TO 02.00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer books.
- 4) Assume suitable data if necessary.

SECTION – I

Q.1 State and explain challenges of implementing DSM programmes. [10]

OR

What do you mean by DSM? Describe cost reduction and environmental motives.

Q.2 What are the general interests of DSM? Describe residential DSM issues. [10]

OR

Describe importance of energy conservation awareness programmes.

Q.3 Explain the time of day pricing. How it plays role in DSM? [10]

OR

Explain following with respect to DSM:

- a) Valley filling b) Peak clipping c) Peak shifting.

SECTION – II

Q.4 What are the Energy Saving Actions? List out various Energy Saving Action. [10]
Explain long pay back time measures.

OR

Explain the comparison between:

- a) Short pay back time actions
- b) Medium payback time action
- c) Long payback time actions

Q.5 Explain information dissemination on DSM. Also explain various types of [10]
DSM measures.

OR

Explain the following:

- a) Energy reduction programmes
- b) Load management programmes

Q.6 Explain how regulatory and policy options can encourage energy efficiency. [10]
What are the various regulations for energy efficiency?

OR

What are the various tariff plans for DSM? Explain how the upgradations of standards are achieved to improve the energy efficiency.

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