

**M. TECH.-III (ELECTRICAL -POWER SYSTEM) (CBCS – 2015
COURSE) : WINTER - 2017**
**SUBJECT : SELF STUDY PAPER – I: DEMAND RESPONSE & DEMAND SIDE
MANAGEMENT**

Day : **Thursday**
Date : **25/01/2018**

W-2017-2956

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 Explain the concept of DSM and write down its various benefits. **[10]**

OR

What are the different challenges of implementing DSM programmes?

Q.2 What are the different commercial issues of DSM? Explain. **[10]**

OR

Explain the necessity of energy conservation awareness programmes.

Q.3 Describe various initiatives required to be taken on energy efficient equipments. **[10]**

OR

Explain any two effective DSM techniques.

SECTION – II

Q.4 Explain the following terms: **[10]**

- a) Short payback time actions
- b) Medium payback time actions
- c) Long payback time actions

OR

Explain the Energy saving actions. List out various energy saving action.
Explain long payback time measures.

Q.5 Explain in brief: **[10]**

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

OR

Explain information dissemination on DSM. Also, explain various types of DSM measures.

Q.6 Explain the terms: **[10]**

- a) Regulation for energy efficiency
- b) Tariff design as a tool for DSM

OR

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

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