

No. of Printed Pages : 03

Roll No.

H-27

B. Tech. EXAMINATION, Dec. 2018

(Eighth Semester)

(B. Scheme) (Re-appear Only)

(EE)

EE438B

RECENT TRENDS IN DEREGULATED
POWER SYSTEMS

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-03/5) M-H-27

P.T.O.

Unit I

1. List the merits and demerits of power system deregulation in detail with explanation. **15**
2. What do you mean by international experience of Electric Utility Restructuring ? Describe market structure of England and Wales. **15**

Unit II

3. Describe the concept and theory of : **15**
 - (a) Pool based trading
 - (b) Bilateral trading
 - (c) Pool + Bilateral trading
 - (d) Multilateral trading.
4. Describe the role of ISO, its functions and responsibilities. Also explain bidding mechanism model. **15**

Unit III

5. Write notes on the following :
 - (a) Transmission open access **7**
 - (b) Wheeling methodologies. **8**

6. Write notes on the following :

- (a) Security management Deregulated Environment **8**
- (b) Pricing of power transmissions. **7**

Unit IV

7. Write short notes on the following :

- (a) Unit commitment **7**
- (b) Formation of power pools. **8**

8. Write short notes on the following :

- (a) Reliability analysis **8**
- (b) Optimal power flow as a basic tool. **7**