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Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. (Electronics Engg) (E-I 2012 Onwards)/
(Electrical & Electronics) (E1 2013 Batch) (Sem.-6)**

DEREGULATION OF POWER SYSTEM

Subject Code : BTEEE-603F

M.Code : 72847

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) What are the characteristics of regulated electric industry?
- b) How the working of UK pool model is similar to centralized unit commitment and load dispatch?
- c) Write milestones (at least 7) in deregulation starting from 1982 .
- d) Write the full form of NETA and its importance in deregulated electric industry.'
- e) How multilateral trade is different from bilateral trade?
- f) Why restructuring of government owned electric industry encouraged privatization?
- g) Differentiate MW mile and MVA mile method for pricing.
- h) How ISO performs its function?
- i) Draw a block diagram showing utilities involved in power pool.
- j) Why long term investments are not favoured in deregulated market.



SECTION-B

2. What are the various components of transmission pricing? Explain its various pricing methods.
3. What is the difference between regulated and deregulated power industry? Explain by drawing their basic structures.
4. Draw and discuss the components of restructured power system.
5. Discuss the functions and responsibilities of ISO.
6. Write a note on transmission open access.

SECTION-C

7. Write a note on pool models.
8. Discuss motivation for reformation and obstacles in establishing deregulated power market in China.
9. Write a short notes on :
 - a) Deregulation of Indian power system
 - b) Multilateral trade method

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.