Roll No.					Total No. of Pages: 02
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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:**

- 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.
- i) Why long term investments are not favoured in deregulated market.

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### **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.
- Draw and discuss the components of restructured power system. 4.
- 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. a) Deregulation of Indian power system
  b) Multilateral trade made
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  - 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.

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