

EX-8401 B.E.VIII Semester
Examination, June 2014
Power System Economics (Elective-IV)

Time: Three Hours

Maximum Marks: 70

Note: Attempt all questions. All questions carry equal marks.

1. a) Define regulation and deregulation.
- b) What are the condition for deregulation and problem associated with regulation?

OR

2. a) What do you understand by term "Congestion Management"?
- b) Explain the term risk management and forward market.

3. a) What is competition? Explain the efficiency of perfect competition.
- b) Explain role of marginal cost in power market.

OR

4. a) Define screening curve and its use to find the optimal mix of technologies.
- b) Explain the term pricing generation capacity and measuring generation capacity in power system economics.

5. a) What are three stages of market power?
- b) Explain monopoly power in market power.

OR

6. a) What do you know about price quality outcomes?
- b) Explain market power on demand side.
7. a) What is transmission pricing in restructure?
- b) Explain the concept of working with marginal cost and results of marginal cost.

OR

8. a) What are the fundamentals of restructure system?
- b) What do you know about structure of OASIS?

9. Write short notes on (any two)

- a) ATC
- b) Auction
- c) Reliability requirement in market structure.

OR

10. Write short note on

- a) Design for competitive prices
- b) Testing of market design.