

Total No. of Questions :8]

[Total No. of Printed Pages :2

[2]

Roll No

MTPA - 202
M.E./M.Tech., II Semester
 Examination, June 2016
Power System Economics And Trading
Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.
 ii) All questions carry equal marks.

1. a) Explain deregulation in power sector and write down the factors involve into achieve 100% Deregulation.
 b) Why deregulation causes the price of electricity to rise?

2. a) Define marginal cost with the help of marginal cost curve. Explain various cost functions and relationship to average total cost (ATC)?
 b) Describe the various steps involve in perfect competition.

3. Define the following:
 - a) Spot market
 - b) Day ahead market
 - c) Long run marginal cost
 - d) Short run marginal cost

4. Write down the salient features of Indian electricity Act 2003.

5. a) Define screening curve and its use to find the optimal mix of technologies.
 b) What is perfectly competitive market? Describe the defining characteristic of perfectly competitive market.

6. a) What do you understand by 'transmission rights'? Describe in detail.
 b) Write a short note on National energy policy of India.

7. a) Discuss various methods of congestion pricing with its limitations.
 b) Explain the pricing losses on line and at nodes.

8. Explain the following:
 - a) Energy sector reforms
 - b) Unscheduled interchange charges
