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Name :

Reg. No:

FIFTH SEMESTER B.TECH DEGREE EXAMINATION, NOVEMBER 2012

EC 09 502 QUANTITATIVE TECHNIQUES FOR MANAGERIAL DECISIONS

Time : Three Hours

Maximum : 70 Marks

PART - A

1. State Baye's decisi theory.
2. What is safety stock?
3. Define Duality.
4. What is a decision tree?
5. What is degeneracy?

(5 x 2 = 10 Marks)

PART - B

6. Compare CPM and PERT charts.
7. What are Network Flow problems? Explain.
8. Write a note on quantity discount.
9. What are slack and surplus variables? Explain
10. What is a feasible solution? Explain.
11. Write a note on Hungarian Method.

(4 x 5= 20 Marks)

PART - C

12. (a) Explain in detail about Strategic and tactical decision making.

(Or)

- (b) Explain any one algorithm for critical path determination.

13. (a) Explain in detail about dynamic inventory models.

(Or)

- (b) Discuss in detail about functions and structure of inventory problems.

14. (a) With a suitable case study explain the reduction of feasible solution to basic feasible solution.

(Or)

- (b) Discuss in detail about Charnes M method.

15. (a) Discuss in detail about coefficient matrix and its properties.

(Or)

- (b) Explain in detail about (i) Stepping stone algorithm and (ii) UV method.

(4 x 10 = 40 Marks)
