Total No. of Questions : 7]

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M.B.A.

PRODUCTION AND MATERIAL MANAGEMENT (Specialization - II)

(304 D) - Modeling Techniques and IT for Operations Management

(Semester - III) (2008 Pattern)

Time : 3 Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer any Five questions.*
2) *All questions carry equal marks.*

Q1) What is modeling? State the steps involved in modeling process for a managerial decision making.

Q2) Explain the role of IT in Production Planning and logistical operations giving examples.

Q3) Describe salient features of ERP systems offered by leading vendors. Also explain prerequisites for effective Implementation of ERP system in manufacturing organization.

Q4) a) What is simulation? Describe the simulation process.
b) Explain dynamic programming. How is it different from linear programming?

Q5) Elaborate the concept of Decision Tree. State the various applications of decisions tree in the field of operations research.

Q6) Explain the processing of formulation of LPP. What are the applications of LPP in Operations Management?

Q7) Write short notes on: (Any **Two**):
a) Goal Programming.
b) Dynamic Programming.
c) Simulation in operations management.
d) Importance of IT in operations.