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Register Number:

7188

Name of the Candidate:

DIPLOMA EXAMINATION, 2010

(PRODUCTION MANAGEMENT)

(PAPER-II)

120. OPERATIONS AND PRODUCTION MANAGEMENT

Dec]

[Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions

1. a) Describe the different types of production systems. (12)
b) Explain in detail about the types of sales forecasting. (8)
2. a) Explain about how stores can be managed effectively? (10)
b) Explain how vendors can be rated. (10)
3. a) Find the EOQ and total cost of inventory for the following condition. (14)
Annual consumption =36,000 units
Inventory carrying cost =20% of annum of average inventory cost
Ordering cost =Rs.25/ order
Cost/unit =Re.1
b) Write the procedure for ABC analysis for inventory control. (10)
4. Write short notes on the following. (5×4=20)
 - a) Line of balance
 - b) Machine interference
 - c) Flow process charts
 - d) Routing and Scheduling
 - e) Gantt charts
5. State and Explain work study techniques. (20)
6. a) Write brief notes on functions of production planning and control. (10)
b) Write short notes on costs and accuracy of forecasts. (10)
7. a) What are all the functions of purchasing department? (10)
b) How 'make or buy' decision will be made? (10)
8. a) Explain economic production quantity. (10)
b) Define (i) Reorder point (ii) Buffer stock (iii) Shortages (iv) Quantity discount (v) Production range. (10)
9. a) Discuss multi machine operation by one operator. (10)
b) Describe the role of routing and scheduling in process planning. (10)
10. a) Discuss the merits, demerits and application of work sampling. (10)
b) Explain how determine the ratio of delay performance level and time standard. (10)