

MAY 2013

P/ID 77724/MBN3C

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Time : Three hours

Maximum : 100 marks

PART A — (5 × 6 = 30 marks)

Answer any FIVE questions.

All questions carry equal marks.

1. Compare production and productivity.
2. Explain the concept of scheduling.
3. State the advantages and disadvantages of rural location of a plant.
4. Mention the objectives of method study.
5. Explain quality control.
6. Write a note on stores planning.
7. What do you mean by dynamic purchasing?
8. Give a note on value analysis.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

9. Elaborate the position of production management and also its relationship with other departments.
10. Discuss various types of maintenance and its applications.
11. Give an account of preferable plant location for car industry and textile industry.
12. Elaborate in detail the various functions of a material manager.
13. Explain economic ordering quantity and also its purpose.
14. State the principles of purchasing and specify the difference between inland and international purchasing.
15. Explain the process of constructing quality control chart and discuss where do you use *p*-chart.
16. What is vendor rating? Who does vendor rating on what basis?

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PART C — (1 × 20 = 20 marks)

(Compulsory)

17. A stockist has to supply 400 units of a product every Monday to his customers. He gets the product at Rs. 50 per unit from the manufacturer. The cost of ordering and transportation from the manufacturer is Rs. 75 per order. The cost of carrying inventory is 7.5% per year of the cost of the product. Find
- (a) the economic lot size.
  - (b) the total optimal cost including the capital cost.
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