

18094

B.B.A. Examination, May-2025

PRODUCTION AND OPERATION

MANAGEMENT

(BBA-403)

(New Course)

Time : Three Hours / [Maximum Marks : 75

Note : Attempt **all** the sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Answer all the **five** questions. Each question carries 3 marks. $5 \times 3 = 15$

1. Explain Quality Control. 3
2. DEFINE JIT (Just in time) 3

3. Explain TQM (Total Quality Management) 3
4. Explain EOQ (Economic Order Quantity) 3
5. What is Plant location? 3

Section-B

(Short Answer Type Questions)

Note : Answer any **two** questions out of the following **three** questions. Each question carries 7.5 marks. $2 \times 7.5 = 15$

6. Find out the ordering level from the following information. 7.5
 - (a) Minimum stock 1000 units
 - (b) Maximum stock 2000 units
 - (c) Time required for receiving the materials 15 days.
 - (d) Daily consumption of materials 50 units.

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7. The annual demand for an item is 3,200 unit. The unit cost is ₹ 6 and inventory carrying cost is 25% per annum. If the cost of one procurement is ₹ 150, Determine the time between two consecutive orders, assuming procurement is at EOQ. 7.5
8. Explain with example different statistical quality control tools. 7.5

Section-C

(Descriptive Answer Type Questions)

Note : Answer any **three** questions out of the following **five** questions. Each question carries 15 marks. $3 \times 15 = 45$

9. Define Plant layout. Explain the principal of plant layout. 15
10. What are the different types of production and operation system? Explain their applicability. 15

11. Explain in detail the different types of Inventory Control Techniques. 15
12. Explain and illustrate the EOQ Model with the help of graph. 15
13. Explain the following : 15
- (i) PPC (Production, Planning & Control)
 - (ii) Work study
 - (iii) Quality Assurance