



Seat No. : _____

DL-107

December-2025

Integrated MBA (GBM), Sem.-V

**DSC-M-GBM-355T : Production and Operation Management
(Global Business Management)**

Time : 2:00 Hours]

[Max. Marks : 50

- Instructions :**
- (1) Figures to the right indicate Full Marks.
 - (2) Do not write anything on the question paper.
 - (3) Simple calculator is allowed. Do not use a scientific calculator.

1. A manufacturing chocolate wants to design its production process. Explain how understanding the **nature of operations management**. How would you do **production design** which can help improve productivity and meet customer demands ? **10**

OR

1. As an operations manager of a multinational manufacturing firm, explain how you would select an ideal **plant location** considering key **factors influencing location decisions** and recent **trends in global plant location**. **10**
2. As a production manager setting up a **new automobile assembly** unit, how would you decide the **layout of the manufacturing facility** ? What **factors** would you consider to ensure efficiency and smooth workflow ? **10**

OR

2. Company manufacturing consumer electronics plans to redesign its plant layout to reduce production time. Explain how different **types of facility layouts** and **factors influencing their selection** can improve productivity and cost efficiency. **10**

3. A bookstore sells 24,000 books annually. The cost to place an order is ₹ 400, and the annual holding cost for every book is ₹ 10, Production =34000 Here D =14,000 units. Selling average 20 books everyday It takes five days to receive order. Extra stock it keeps is of 40 books to avoid stock out. Calculate Reorder Point, Economic Order Quantity and Economic Production Quantity. **10**

OR

3. You are managing a factory that manufactures standardized electronic components in large quantities. Explain which **type of production** would best suit your operations and how it impacts productivity and inventory control. **10**
4. As a production supervisor in an automobile assembly plant, how would you use **time study and method study** to improve worker productivity and reduce idle time on the production line ? **10**

OR

4. You are working as a quality supervisor in an automobile manufacturing unit. Describe **the meaning of quality control** and analyze **why regular quality control and inspection** are necessary to ensure customer satisfaction and reduce production defects. **10**
5. Short questions : (7 out of 8) **10**
- (1) Define Production Design.
 - (2) What do you mean by Plant Location ?
 - (3) Explain Plant Layout.
 - (4) Define Fixed Position Layout.
 - (5) Explain Unit or Job type of Production.
 - (6) What is EOQ inventory model ?
 - (7) What do you mean by Standard Timing ?
 - (8) Explain Performance Rating.