

May 2024

M.B.A. (PMS) (Second Semester)
Operations and Supply Chain Management
(MPM-204)

Time : 3 Hours]

[Maximum Marks : 75

Note : It is compulsory to answer all the questions (1.5 marks each) of Part A in short. Answer any *four* questions from Part B in detail. Different sub-parts of a question are to be attempted adjacent to each other.

Part A

1. Briefly explain the following :

- | | |
|---------------------------|-----|
| (a) Safety stock | 1.5 |
| (b) Business process | 1.5 |
| (c) Quality | 1.5 |
| (d) Reorder point | 1.5 |
| (e) Plant layout | 1.5 |
| (f) Product customization | 1.5 |

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- (g) Sales and operations planning strategy 1.5
- (h) Dependent demand inventory 1.5
- (i) Production activity control 1.5
- (j) Just-in-Time inventory management. 1.5

Part B

- 2. What do you understand by operations and supply chain strategies ? Discuss the role of technology in operations and supply chain strategies. 15
- 3. Explain in detail the various types of manufacturing processes. Also explain their characteristics. 15
- 4. (a) Discuss the various steps in the purchasing process. 7.5
- (b) Elaborate the role of sourcing in a supply chain. 7.5
- 5. (a) What is inventory control ? Explain the concept of economic order quantity (EOQ). 7.5
- (b) What do you understand by materials requirement planning ? 7.5

- 6. (a) What are the various methods used for evaluating capacity alternatives ? 7.5
- (b) What is Llogistics ? Discuss its importance. 7.5
- 7. Write short notes on the following :
 - (a) Master scheduling 7.5
 - (b) Product design and development process. 7.5