
Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – June 2026
Programme Name: BBA (ML)
Semester: II
Subject Code: UG32T2205
Subject Name: OPERATIONS MANAGEMENT

Date: 10.06.2026

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.

Section A

Answer the following compulsory questions (MCQs) (10 X 01= 10Mark)

1. Which statement best explains Just-In-Time (JIT)?
A) Producing goods in large quantities B) Producing only when required
C) Storing excess inventory D) Increasing production speed
 2. If a logistics company aims to reduce environmental impact, it should adopt:
A) High inventory levels B) Green operations strategy
C) Manual documentation D) Excess transportation
 3. Which of the following is a qualitative location planning method?
A) Factor Rating Method B) Load Distance Method
C) Transportation Model D) Centre of Gravity Method
 4. Which factor influences location decisions in maritime logistics?
A) Port connectivity B) Office furniture
C) Interior decoration D) Employee hobbies
 5. In which layout are similar machines grouped together?
A) Product layout B) Fixed position layout
C) Process layout D) Cellular layout
 6. Which of the following refers to the arrangement of machines and departments in a production facility?
A) Product development B) Layout planning
C) Inventory control D) Scheduling
 7. DRP is mainly concerned with:
A) Factory machine repair
B) Distribution of goods to different locations
C) Worker scheduling
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D) Plant layout

8. Which inventory valuation method issues the latest materials first?

- TMM
A) FIFO
C) LIFO

- TMM
B) EOQ
D) ABC

9. The longest path in a project network is called:

- A) Float path
C) Critical path

- B) Slack route
D) Dummy path

10. R-chart is mainly used to monitor:

- A) Average quality level
C) Inventory turnover

- B) Range or variability in a process
D) Market demand

TMM **Section B** TMM

Answer the following compulsory short questions

(05 X 2 = 10 Marks)

11. What are inputs in Operations Management?
12. What is the Centre of Gravity Method?
13. Mention any two advantages of lean management.
14. What is ABC Analysis?
15. Define PERT?

Section C

Answer any five of the following questions

(05 X 10 = 50 Marks)

- TMM
16. Explain the scope and functions of Operations Management with suitable examples?
17. Examine Toyota's Policy and explain its role in achieving operational excellence?
18. Discuss the various location planning methods used in operations management?
19. Distinguish between Process Layout and Product Layout. Explain with suitable examples?
20. What is Total Quality Management (TQM)? Explain its principles and benefits?
21. What is Safety Stock? Explain its importance and factors affecting safety stock with examples?
22. What are control charts? Explain their importance and applications in operations management?
