



**K. K. Wagh Institute of Engineering Education & Research, Nashik**  
(An Autonomous Institute From A.Y. 2022-23)

WINTER-2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:III
Class:PG-II	Program:MBA
Branch Code: 10	Pattern:2024
Name of Course:Logistics Management	Course Code:2410613D
Max. Marks:60	Duration:2.30 Hrs.

**Instructions:** Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains 2 pages.
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

**Marks CO**

**Question No. 1**

- 1a) Outline the step-by-step export procedure in India, from obtaining IEC to shipment realization. Discuss the role of key documents like Shipping Bill and commercial invoice in customs clearance. (6) CO1

**Question No. 2**

- 2a) Differentiate between Logistics Real Estate, Logistics Parks, and freight villages. (6) CO2

**Question No. 3**

- 3a) Explain the logistical characteristics of roadway freight transport. Discuss its importance with a case. (8) CO3

**OR**

- 3b) What are the differences between wagonload transport, part-load transport, and combined transport? (8) CO3
- 3c) Consider a European rail network upgrading from diesel to electric high-speed freight lines amid rising energy costs. Explain rail freight's significance in bulk transport, its development history, and technologies like automated signalling. Evaluate transport value (capacity) versus affinity (speed limitations) with strategies for intermodal integration. (8) CO3

**OR**

- 3d) Explain the logistical characteristics of pipeline transport. Elaborate the four different categorizations of pipeline transport. (8) CO3

**Question No. 4**

- 4a) Explain the role of IT in logistics and provide an example of its benefits for the company. (8) CO4

**OR**

- 4b) Describe the EDI principle. Outline the informational connections in ERP systems. (8) CO4
- 4c) What are the central functions of a warehouse management system? Elaborate it with examples. (8) CO4

**OR**

- 4d) A mid-sized Indian manufacturer of consumer electronics ships 500+ LTL/FTL loads monthly from Chennai to northern cities (Delhi, Lucknow), facing ₹15 lakh monthly freight overruns due to manual carrier selection, 25% delays from poor routing, and 10% claims from shipment errors. Peak monsoon disruptions exacerbate issues, with no real-time visibility. The firm evaluates implementing a cloud TMS like SAP TM or Oracle OTM, integrating with existing WMS and EDI for forwarders. (8) CO4

Explain the step-by-step role of TMS in resolving these challenges.

**Question No. 5**

- 5a) What possibilities do we have to design and equip a warehouse as flexible as possible? (8) CO5

**OR**

- 5b) Discuss the different types of storage system and their area of applications. (8) CO5

- 5c) Name the advantages and disadvantages of unmanned transport systems and the resulting task areas. (8) CO5

**OR**

- 5d) Name the areas in which continuous and discontinuous conveyors can each be applied. (8) CO5

..... End of question paper.....