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MWR-003

**P. G. CERTIFICATE IN INVENTORY
PLANNING AND WAREHOUSING
SYSTEMS FOR ENGINEERS
(PGCIPWS)**

Term-End Examination

December, 2025

MWR-003 : WAREHOUSING SYSTEM

Time : 3 Hours

Maximum Marks : 70

Note : (i) Answer any **seven** questions.

(ii) All questions carry equal marks.

(iii) Assume missing data suitably.

1. (a) Explain how warehouse layout design plays an important role in warehouse logistics management. 5
- (b) What is record management ? Why is it important in warehousing ? 5

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2. (a) Explain the role of warehouse manager and state the characteristics of a successful warehouse manager. 5
- (b) What do you understand by Facilities Planning ? Why is facilities planning required in inventory management ? Explain briefly. 5
3. (a) Why are docks separated by an intermediate platform ? Discuss. 5
- (b) Enumerate the expected outcomes of a good facilities planning. What are the principles of a good facility layout ? 5
4. (a) How does ICT help in decision-making and productivity enhancement ? Discuss. 5
- (b) What is warehouse distribution systems ? Discuss the common issues in warehousing. 5
5. (a) What are the different types of services of a distribution centre ? Briefly explain. 5
- (b) Describe the structure of transportation models with an example. How is it applied in a warehouse distribution system ? 5

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6. (a) Describe the algorithm for assignment problem. 5
- (b) What is JIT Inventory Management ? Discuss the effects of JIT inventory management system in warehousing. 5
7. (a) Explain the provisions under the Trade Union Act, 1926. 5
- (b) Discuss high-performance operations in a warehouse that fulfill the customer requirements. 5
8. Write short notes on any *two* of the following : 5+5
- (a) Kanban-Kaizen
- (b) Job security-Fair dismissal
- (c) Vehicle Tracking System (VIS) and Fleet Management Systems (FMS)

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