

**POST GRADUATE CERTIFICATE IN
INVENTORY PLANNING AND
WAREHOUSING SYSTEM FOR
ENGINEERS (PGCIPWS)
Term-End Examination**

December, 2024

**MWR–002 : ADVANCED INVENTORY PLANNING
AND CONTROL**

Time : 3 Hours

Maximum Marks : 70

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

(ii) All questions carry equal marks.

(iii) Use of calculators is allowed.

1. Explore the reasons that lead to the failure of materials management. Briefly discuss how it may happen. 10
2. What are the salient features of Manufacturing Resource Planning (MRP-II) ? Differentiate between MRP-I and MRP-II. 10

3. Briefly explain inventory cycle counting methods. 10
4. Name the aggregate planning strategies. Briefly explain them. 10
5. List out the benefits of the JIT inventory system. What are the obstacles encountered in implementing JIT inventory system ? 10
6. Who are the participants in the supply chain ? Brief out their roles. 10
7. Explain the objectives of Enterprise Resource Planning (ERP). Give its inputs and outputs. 10
8. Describe procedure of value analysis and value engineering (VA & VE). 10
9. Discuss the significance of MUDA-MURA-MURI in Kaizen. What are the seven wastes ? 10
10. What is KANBAN inventory management system ? Explain. List out basic principles during implementation of KANBAN process. 10

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