No. of Printed Pages : 4　　**MWR-002**

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

Term-End Examination

December, 2021

MWR–002 : ADVANCE INVENTORY PLANNING AND CONTROL

Time : 3 Hours　　　*Maximum Marks : 70*

Note : *Attempt any **seven** questions. All questions carry equal marks. Assume missing data, if any, suitably.*

P. T. O.

1. A housewife orders rice from a market periodically and the delivering from the market is immediate. Annual consumption of rice of the family is 300 kg, and is constant. Rice costs ₹ 20 per kg, the cost of planning order is ₹ 25. The carrying cost is situated at 24 per cent of the rice cost. What quantity should the housewife order and when ? 　　10

2. Discuss, how batch ordering contribute to towards increase in variability in the supply chain management. Give suitable example. 　　10

3. What is a just-in-time production system ? Discuss about the basic differences between the push and pull systems of linking work centres. 　　10

4. Identify the elements that determine a stronger and longer buyer-seller relationship. Does multiple sourcing lead to a bad relationship with suppliers ? Discuss briefly.   10

5. What are the input and output of MRP ? Discuss, how MRP can reduce the inventory investment.   10

6. Discuss the different causes of bullwhip effect. Explain the impacted of bullwhip effect in a supply chain management.   10

7. What are the reasons behind 'Make-or-Buy' decisions ? Describe the make-or-buy decision-making procedure.   10

8. Why Vendor Managed Inventory (VMI) is recognized as an effective strategy for combating irregularities in the supply chain ? Explain in detail.   10

9. Write short notes on any *two* of the following :

                                                           5+5

    (a) Vendor Networking

    (b) Quick Response Strategy

    (c) Inventory Planning and Control in SCM

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