

**PGCIPWS- 2021**

**ASSIGNMENT BOOKLET**

**POST GRADUATE CERTIFICATE IN INVENTORY PLANNING  
(PGCIPWS)**

**Last date for submission:**

**30<sup>th</sup> April 2022 for January 2022 Session**



**School of Engineering and Technology  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi-110068**

Dear Student,

We advise you to go through your course material carefully and read all the section pertaining to assignments. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation which would consist of **one tutor-marked assignment** for each of MWR-01, MWR-02, MWR-03 and MWRP-001 of this course. You have to score a minimum of 40 marks out of 100 marks in each of the assignments. **Submit your assignment response at Programme Coordinator (PGCIPWS), Block-C, School of Engineering & Technology, Indira Gandhi National Open University, Maidan Garhi, New Delhi - 110068**

A feedback form is enclosed with this assignment. Please complete it after solving this assignment and send it to the Course Coordinator (PGCIPWS) on the address specified on the feedback form.

### Instructions for Formatting Your Assignments

Before attempting the assignment please read the following instructions carefully.

- 1) On top of the first page of your TMA answer sheet, please write the details exactly in the following format:

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**ENROLMENT NO:** .....

**NAME:** .....

**ADDRESS:** .....

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**COURSE CODE:** .....

**COURSE TITLE:** .....

**ASSIGNMENT NO.:** .....

**STUDY CENTRE:** .....      **DATE:** .....

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**PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.**

1. Use only full size writing paper (but not of very thin variety) for writing your answers.
2. Leave 4 cm margin on the left, top and bottom of your answer sheet.
3. Your answers should be precise.
4. While solving problems, clearly indicate the question number along with the part being solved. Be precise. Recheck your work before submitting it.

Answer sheets received after the due date shall not be accepted.

**We strongly feel that you should retain a copy of your assignment response to avoid any unforeseen situation and append, if possible, a photocopy of this booklet with your response.**

We wish you good luck.

**Assignment -1**  
(To be done **after** studying the course material)

**Course Code: MWR-01**  
**Course Title: Introduction To Inventory Planning**  
**Assignment Code: MWR-01/TMA/2021**  
**Maximum Marks: 100**

**Note:**

- 1. For any question worth 5 marks the word limit is 200 words, for a 10 mark question it is 350 words.**
  - 2. All questions are compulsory. All questions carry equal marks.**
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Q.1	a) What is Inventory Planning and Control? Why industry needs to keep inventory? Discuss	5
	b) How do you classify the inventory?	5
Q.2	a) Why inventory Planning and Control is essential? Discuss	5
	b) What do you understand by transit inventory? How do you record it?	5
Q.3	a) Explain why holding of inventory always tie up with capital.	5
	b) Distinguish between anticipatory and fluctuatory inventory. What is their respective importance?	5
Q.4	a) Explain decoupling. What is the purpose of decoupling?	5
	b) What is the ABC and VED classification of inventory?	5
Q.5	a) Discuss the objectives of Inventory.	5
	b) Explain Inventory Control Techniques, FSN Analysis and SOS Analysis.	5
Q.6	a) Describe various functions of Inventory.	5
	b) What are the duties of inventory manager?	5
Q.7	a) What are the factors affecting Inventory Planning and Control?	5
	b) What are the symptoms of poor inventory management? Discuss	5
Q.8	a) What are the costs associated with inventory? Describe with examples.	5
	b) Explain the issues involved in inventory management of service parts industry.	5
Q.9	a) What are the elements of different costs? Describe with examples.	5
	b) List out the challenges before the inventory managers.	5
Q.10	a) Describe the factors influencing the inventory of an automotive industry. Justify your answer.	5
	b) Discuss major challenges in Inventory Management and discuss the strategies to encounter them	5

**Assignment - 2**  
(To be done **after** studying the course material)

**Course Code: MWR-02**  
**Course Title: Advance Inventory Planning**  
**Assignment Code: MWR-02/TMA/2021**  
**Maximum Marks: 100**

**Note:**

- 1. For any question worth 5 marks the word limit is 200 words, for a 10 mark question it is 350 words.**
  - 2. All questions are compulsory. All questions carry equal marks.**
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Q.1	a) What is MRP? Discuss the objectives of MRP.	5
	b) Discuss how MRP can optimize Inventory investment.	5
Q.2	a) Discuss how an MRP can increase plant operation efficiency.	5
	b) With the help of examples, discuss the factors affecting MRP.	5
Q.3	a) Differentiate between MRP and MRP II.	5
	b) With the help of suitable examples, explain the BOM (Bill of Material).	5
Q.4	a) Define aggregate planning. What is its significance?	5
	b) Discuss how quality and reliability can be used in framing the materials management policy.	5
Q.5	a) Describe the characteristics of JIT.	5
	b) How does cost influence the materials management policy?	5
Q.6	a) Explain in detail about any two inventory strategies used by the organisations for successful inventory management.	5
	b) What is scheduling? State the objectives of scheduling	5
Q.7	a) Define master production schedule. What are its objectives?	5
	b) What is ERP? Why it is important in present world?	5
Q.8	a) What are the various components of a supply chain? Explain Stevens model of supply chain integration.	5
	b) Give reasons for moving to ERP cloud?	5
Q.9	a) Define vendor management. Brief out the reasons for the requirement of vendor management.	5
	b) Describe the term logistics. Give suitable examples.	5
Q.10	a) What is the Value in the customer-perception? Explain.	5
	b) How the waste management is one of the major challenges of materials management? Explain	5

**Assignment - 3**  
(To be done **after** studying the course material)

**Course Code: MWR-03**  
**Course Title: Warehousing System**  
**Assignment Code: MWR-03/TMA/2021**  
**Maximum Marks: 100**

**Note:**

- 1. For any question worth 5 marks the word limit is 200 words, for a 10 mark question it is 350 words.**
  - 2. All questions are compulsory. All questions carry equal marks.**
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|-----|------------------------------------------------------------------------------------------------------------------------------|---|
| Q.1 | a) What is Warehousing? Describe the reasons for warehousing.                                                                | 5 |
|     | b) What are the advantages and disadvantages of centralized warehouse and decentralized warehouse?                           | 5 |
| Q.2 | a) Describe different types of warehouses in India.                                                                          | 5 |
|     | b) Discuss the safety considerations while designing and laying out a warehouse.                                             | 5 |
| Q.3 | a) Discuss the characteristics of an ideal warehouse.                                                                        | 5 |
|     | b) Write notes on:                                                                                                           | 5 |
|     | i. Obsolete, Surplus and Scrap                                                                                               |   |
|     | ii. Stock verification                                                                                                       |   |
| Q.4 | a) What are the roles and responsibilities of warehouse manager? Describe in detail. Explain.                                | 5 |
|     | b) What are the objectives of a good warehouse layout?                                                                       | 5 |
| Q.5 | a) Discuss in detail the strategic issues affecting warehousing.                                                             | 5 |
|     | b) "The rate of return from warehousing business is low and the gestation period is rather long" Comment.                    | 5 |
| Q.6 | a) What is flow method? Describe different flow methods used in a warehouse.                                                 | 5 |
|     | b) Distinguish between a private warehouse and a public warehouse. Also give your opinion on way ahead and justify the same. | 5 |
| Q.7 | a) Why location of warehouse is a critical decision? Discuss with the help of suitable examples.                             | 5 |
|     | b) Write a descriptive note on "efficient layout of warehouse".                                                              | 5 |
| Q.8 | a) Describe the recent trends in automation of warehousing.                                                                  | 5 |
|     | b) Which is the most critical component in warehousing? How does it affect the quality of warehousing?                       | 5 |
| Q.9 | a) Explain different ICT tools used in warehousing.                                                                          | 5 |
|     | b) Discuss the major functions of warehouse in an organization.                                                              | 5 |

- Q.10 a) What are the different types of Losses in a warehouse? Suggest the ways to minimize the losses in a warehouse. 5
- b) What are the various considerations to be made for controlling fire in stores? 5