
PGCIPWS- 2023

ASSIGNMENT BOOKLET
MWR03

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

Last date for submission:

30th April for January 2023 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 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:

ENROLMENT NO:

NAME:

ADDRESS:

.....

.....

COURSECODE:

COURSE TITLE:

ASSIGNMENT NO.:

STUDYCENTRE: **DATE:**.....

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

- 2) Use only full size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) 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-03

Course Title: Warehousing System

Assignment Code: MWR-03/TMA/2023

Maximum Marks: 100

Last Date of Submission: April 30, 2023

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 Write short notes of the following :
- | | |
|---|---|
| a) Job Security - Fair Dismissal | 5 |
| b) Automated storage / Retrieval System (AS/RS) | 5 |
- Q.2
- | | |
|---|---|
| a) What are employment contracts? Explain. | 5 |
| b) Discuss high-performance operations in a warehouse that fulfill the customer requirements. | 5 |
- Q.3
- | | |
|--|---|
| a) Describe the structure of transportation models with an example. How is it applied to warehouse distribution? | 5 |
| b) Describe the algorithm for assignment problem. | 5 |
- Q.4
- | | |
|--|---|
| a) Why docks are separated by an intermediate platform? Explain. | 5 |
| b) How does warehousing cost affect the cost of the product? List out the various warehousing costs. | 5 |
- Q.5
- | | |
|---|---|
| a) What are the skills required to become a successful warehouse manager? Briefly explain them. | 5 |
| b) What is record management? Why is it important in warehousing? | 5 |
- Q.6 M/s Vasu Enterprise has three factories located at A, B and C which supplies three warehouses located at D, E and F. Monthly factory capacities are 20, 70 and 60 units respectively. Monthly warehouse requirements are 65, 25 and 55 units respectively. Unit shipping costs (in Rs.) are shown the ordered pairs read as (Factory to Warehouse: Unit cost), given as (A-D:6), (A-E: 2) (A-F:8), (B-D:7), (B-E: 5) (B-F:7), (C-D:4), (C-E: 3) and (C-F:6). The penalty costs for not satisfying demand at warehouse D, E and F are Rs. 6, Rs. 4 and Rs. 3 per unit respectively. Determine the IBFS for distribution for Vasu using transportation technique.
- Q.7
- | | |
|--|---|
| a) What is the importance of warehouse safety? Discuss safety rules for warehouse. | 5 |
| b) What is JIT Inventory Management? How do you apply this in warehousing? | 5 |
- Q.8
- | | |
|---|---|
| a) How ICT helps in decision making and productivity enhancement? | 5 |
|---|---|

- b) What are the different types of services of a distribution centre? Explain. 5
- Q.9 a) Write the procedure to calculate co-efficient of localization under Sargant Florence theory location planning? 5
- b) What are the most commonly used subjective techniques while planning for a facility location? Explain them. 5
- Q.10 a) What is Warehousing? What is the need of Warehousing? 5
- b) Explain the features of Warehouse Management System (WMS). Discuss its Managerial functions. 5