PGCIPWS - 2026

ASSIGNMENT BOOKLET

Post Graduate Certificate in Inventory Planning and Warehousing System

(PGCIPWS)

Last date for submission:

30th April 2025(January 2026 Session) 30th October 2026 (July 2026 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 units 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 – 001, MWR – 002, and MWR - 003 of this course. You need to score a minimum of 40 marks out of 100 marks in each of the assignments. **Submit scan copy of handwriting assignments through e-mail and e-mail Id is pgcipws.assignment@ignou.ac.in.**

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: .....

COURSETITLE: .....

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) Only hand written assignments acceptable. No typed assignments

6) 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 – 003
Course Title: Warehousing System
Assignment Code: MWR – 003/TMA/2026
Maximum Marks: 100
Last Date of Submission: 30th April – 2026/30th October 2026

Note: Attempt all questions. All questions carry equal marks.

Q.1	(a) Identify the skills required for a efficient and effective warehouse manager? Discuss them in brief.	5
	(b) What is store ledger? Discuss its importance in warehousing system ?	5
Q. 2	(a) What is facility planning? How proper facility planning helps in warehousing system?	5
	(b) Explain various plant layouts. Why plant layout is more important while designing work place? Explain briefly.	5
Q. 3	(a) List out the various warehousing costs. How does warehousing cost affect the cost of the product?	5
	(b) Identify the risk factors in warehousing. How do you overcome those risk in your warehouse?	5
Q. 4	(a) Discuss how ICT helps in decision making and productivity enhancement in warehousing system.	5
	(b) Explain warehouse distribution system. How it can be applied in warehousing system?	5
Q. 5	(a) Define IBFs and OBFs in transportation mode. Distinguish between them.	5
	(b) Discuss how assignment problem model helps in warehousing management system.	5
Q. 6	(a) Why is warehouse safety important? Discuss safety rules for warehouse.	5
	(b) Discuss how JIT inventory management can be applied in warehousing.	5
Q. 7	(a) Explain the concepts of performance management and discuss its benefits.	5
	(b) Explain employment contract. Discuss its limitation.	5

<table>
<tr><td rowspan="2">Q. 8</td><td>(a) M/s XYZ Enterprise has three factories located at D, E and F which supplies three warehouses located at A, B and C. Monthly factory capacities are given in below table 1.
Warehouse
Factory
<table><tr><td></td><td>A</td><td>B</td><td>C</td><td>Supply</td></tr><tr><td>D</td><td>6</td><td>2</td><td>8</td><td>30</td></tr><tr><td>E</td><td>7</td><td>5</td><td>2</td><td>60</td></tr><tr><td>F</td><td>4</td><td>3</td><td>6</td><td>550</td></tr><tr><td>Requirement</td><td>65</td><td>35</td><td>45</td><td></td></tr></table>
The penalty costs for not satisfying demand at warehouse A, B and C are Rs. 7, Rs. 3 and Rs. 4 per unit respectively. Determine the IBFs for distribution for M/s India Enterprise using transportation technique.</td><td rowspan="2">10</td></tr>
<tr><td>Q. 9</td><td>Explain the following:
(a) Warehouse Location study
(b) Vehicle Tracking System</td></tr>
<tr><td rowspan="2">Q. 10</td><td>(a) Discuss. Why Warehouse play an important role in industries.</td><td>5</td></tr>
<tr><td>(b) With help of suitable block diagram, describe Warehouse Management Process.</td><td>5</td></tr>
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