
PGCIPWS - 2023

ASSIGNMENT BOOKLET
MWR 003

Post Graduate Certificate in Inventory Planning and Warehousing System
(PGCIPWS)

Last date for submission:

30th October 2023

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/2023
Maximum Marks: 100
Last Date of Submission: 30th October - 2023

Note:

1. Attempt all questions. All questions carry equal marks.

Q.1	(a) What do you understand about warehousing ? Discuss why it is so important in industries ?	5
	(b) Explain Warehouse Management Process with suitable block diagram.	5
Q. 2	(a) What are the skills required is become a successful warehouse manager? Discuss them in brief.	5
	(b) What is store ledger? Discuss it's importance in warehousing system ?	5
Q. 3	(a) What do you understand about the term "facility"? Describe facility planning. How facility planning helps in warehousing system ?	5
	(b) Why plant layout is more important while designing work place? Explain briefly.	5
Q. 4	(a) How does warehousing cost affect the cost of the product? List out the various warehousing costs.	5
	(b) What are the risk factors in warehousing ? How do you overcome those risk factors?	5
Q. 5	(a) How ICT helps in decision making and productivity enhancement in warehousing system? Discuss.	5
	(b) What is warehouse distribution system? How it can be applied in warehousing system?	5
Q. 6	(a) Define IBFs and OBFs in transportation mode. Distinguish between them.	5
	(b) What is assignment problem? How it can helps in warehousing system?	5
Q. 7	(a) What is the importance of warehouse safety? Discuss safety rules for warehouse.	5
	(b) What is IIT inventory management? How do you apply this in warehousing ?	5

Q. 8	(a) Explain the concepts of performance management and list out its benefits.	5																																				
	(b) What is employment contract ? Explain	5																																				
Q. 9	<p>(a) M/s India Enterprise has three factories located at A, B and C which supplies three warehouses located at D, E and F. Monthly factory capacities are given in below table 1.</p> <table border="1" data-bbox="357 346 1347 598"> <tr> <td data-bbox="357 346 519 430">Factory ←</td> <td data-bbox="519 346 760 388"></td> <td colspan="3" data-bbox="760 346 1347 388" style="text-align: center;">Warehouse</td> <td data-bbox="1347 346 1360 388"></td> </tr> <tr> <td data-bbox="357 388 519 430"></td> <td data-bbox="519 388 760 430"></td> <td data-bbox="760 388 893 430">D</td> <td data-bbox="893 388 1015 430">E</td> <td data-bbox="1015 388 1136 430">E</td> <td data-bbox="1136 388 1347 430">Supply</td> </tr> <tr> <td data-bbox="357 430 519 472">A</td> <td data-bbox="519 430 760 472"></td> <td data-bbox="760 430 893 472">6</td> <td data-bbox="893 430 1015 472">2</td> <td data-bbox="1015 430 1136 472">8</td> <td data-bbox="1136 430 1347 472">20</td> </tr> <tr> <td data-bbox="357 472 519 514">B</td> <td data-bbox="519 472 760 514"></td> <td data-bbox="760 472 893 514">7</td> <td data-bbox="893 472 1015 514">5</td> <td data-bbox="1015 472 1136 514">2</td> <td data-bbox="1136 472 1347 514">70</td> </tr> <tr> <td data-bbox="357 514 519 556">C</td> <td data-bbox="519 514 760 556"></td> <td data-bbox="760 514 893 556">4</td> <td data-bbox="893 514 1015 556">3</td> <td data-bbox="1015 514 1136 556">6</td> <td data-bbox="1136 514 1347 556">60</td> </tr> <tr> <td data-bbox="357 556 519 598">Requirement</td> <td data-bbox="519 556 760 598"></td> <td data-bbox="760 556 893 598"></td> <td data-bbox="893 556 1015 598"></td> <td data-bbox="1015 556 1136 598"></td> <td data-bbox="1136 556 1347 598"></td> </tr> </table> <p data-bbox="292 630 1331 735">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 M/s India Enterprise using transportation technique.</p>	Factory ←		Warehouse						D	E	E	Supply	A		6	2	8	20	B		7	5	2	70	C		4	3	6	60	Requirement						10
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C		4	3	6	60																																	
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Q. 10	<p>Write short notes of the following</p> <p>(a) Automated storage/Retrieval system (AS/RS)</p> <p>(b) Safety Audit and Safety Training</p>	10																																				