

Final Exam
PITI.I: IT FOUNDATIONS
Fall 2025

Points of attention:

- For each question, the maximum earned points are specified in the question.
- Write clearly! Answers that are not readable are not marked and don't earn marks!
- All answers should be written in English using **blue or black pens** only.
- Use the pencil only for diagrams and graphs.
- Show all the calculation steps in the given space.
- When finished, submit the question paper, together with the answer scripts and the signed cover page to the invigilator.
- Any cheating/copying may result in an instant failing of the examination.

Exam Duration: 2 hours
Instructor's Name: Ahlam Mohammed Al Balushi
Exam Date: 15/12/2025
Program: LTM

	40
	10

Student Information	
Name:	<input type="text"/>
Signature:	<input type="text"/>
ID:	<input type="text"/>

Invigilator	
Initials:	<input type="text"/>
Time received:	<input type="text"/>
<input type="checkbox"/> Student ID checked	

Question 1**[14 marks]**

1. **Download** the **Final Exam-1** that is provided in Moodle.
2. Open the first “Q.1” sheet in the Final Exam-1.

	A	B	C	D	E	F	G	H	I
1	Order ID	Customer Name	Product Category	Quantity	Unit Price (OMR)	Delivery Charge (OMR)	Total Amount (OMR)	Priority Status	
2	D301	Aisha Al Kalbani	Groceries	10	2.5	1.0			
3	D302	Sami Al Harrasi	Electronics	2	120	3.5			
4	D303	Noor Al Saadi	Books	4	6	1.5			
5	D304	Faisal Al Mahrooqi	Kitchen Items	3	18	2			
6	D305	Hanan Al Rawahi	Baby Products	7	35	2.5			
7									
8									
9									
10									
11									
12									

3. Format the currency to OMR with one decimal place in columns E, F, and G. (2 marks)
4. Type a formula in column G to calculate the Total Amount for each order. (2 marks)
5. Use a function in column H to display “Priority” if the Total Amount is greater than 50; otherwise, display “Standard”. (2 marks)
6. Use a function to calculate the total quantity for all Electronics categories. Enter the answer in cell D9. (2 marks)
7. Use a function to find the second-highest Unit Price in column E. Enter the answer in cell D10. (2 marks)
8. Use a function to determine the total number of customers who ordered a quantity greater than 5. Enter the answer in cell D11. (2 marks)
9. If there is a 10% tax on electronic items, how much will B3 pay? Enter the answer in cell D12. (2 marks)

Question 2**[14 marks]**

1. Open the first “Q.2” sheet in the Final Exam-1.

	B	C	D	E	F	G	H	I	J
1	Item Name	Category	Warehouse Location	Units Shipped	Units Returned				
2	Pallet Boards	Packaging	Muscat Warehouse	6,200	180				
3	Steel Panels	Hardware	Sohar Warehouse	9,500	420				
4	Copper Tubes	Electrical	Nizwa Warehouse	3,100	95				
5	Rubber Gaskets	Mechanical	Salalah Warehouse	4,800	260				
6	Plastic Drums	Containers	Muscat Warehouse	7,400	310				
7	Safety Gloves	Safety	Sohar Warehouse	2,600	70				
8	Bearing Blocks	Mechanical	Salalah Warehouse	5,700	190				
9	Aluminum Pipes	Raw Material	Nizwa Warehouse	1,900	85				
10	Carton Packaging	Packaging	Sohar Warehouse	8,100	520				

2. Use a function to determine the highest value in the Units Shipped column E. Enter the answer in cell J4. (2 marks)
3. Use a function to find the minimum value in the Units Returned column F. Enter the answer in cell J5. (2 marks)
4. Insert a new column titled “Return Status” in Column G. (1 mark)
5. In column G, use a function to determine stock condition. If Units Returned > 300, display “High Return”; otherwise, display “Normal Return.” (2 marks)
6. Create a Pivot Table in a new worksheet, displaying Item Name, Units Shipped, and Units Returned. (3 marks)
7. Create a clustered column Pivot Chart, adding a proper title and style. (3 marks)
8. Insert a slicer for Warehouse Location. (1 mark)

Question 3**[12 marks]**

1. Create a new Word document and insert four pages.
2. On the first page, write the following:
 - Title: Enhancing Logistics Efficiency Through Intelligent Information Systems (0.5 marks)
 - Set the font size to *43 pt* and the font type to Times New Roman (0.5 marks)
 - Your Full Name and Student ID below the title (0.5 marks)
 - Set the font size to *28 pt* and the font type to *Times New Roman* (0.5 marks)
 - Align the title and name to the center of the page (0.5 marks)
3. On the second page, insert a Table of Contents. (1 mark)
4. Insert a Header and Footer that start from the third page only: (1 mark)
 - In the Header, type on the left side: PITI.I (0.5 marks)
 - On the right side: Sem 1-2025 (0.5 marks)
 - In the Footer, insert a Page Number (0.5 marks)
5. Apply these formatting settings to Heading 1 (from Styles): (2 marks)
 - Font: *Times New Roman*
 - Font Size: *12 pt*
 - Font Style: *Bold*
 - Font Color: *Black*
6. Apply these formatting settings to Heading 2 (from Styles): (2 marks)
 - Font: *Times New Roman*
 - Font Size: *12 pt*
 - Font Style: *Bold*
 - Font Color: *Black*
7. Copy the heading and sub-heading, along with the text below them, from the file provided in Moodle and paste them on the third page.
8. Apply the following formatting to the paragraph:
 - Set the font size to *12 pt* and the font type to *Times New Roman*. (1 mark)
 - Set the alignment to *Justify*. (0.5 marks)
 - Use Change Case to make any phrase to UPPERCASE. (0.5 marks)

MLO and Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	4	Application	14	
2	4	Application	14	
3	1,2	Creation	12	