الجامعة الوطنية
National University
Science & Technology للعلوم والتكنولوجيا
كلية عمان البحرية الدولية
International Maritime College Oman

ACADEMIC YEAR 2023 – 2024

Program	Term	Semester	Paper
FOUNDATION	2	2	MAIN 1

MODULE NAME:	INFORMATION TECHNOLOGY-III		
MODULE CODE:	FCOM003	EXAM DATE:	17/07/2024
TEACHER'S NAME:	Ahlam Al Balushi	DURATION:	2 hrs.

Questions to be answered on:	Allowed requirements	Number of pages
Moodle and MS Excel	Computer and Pen	5

Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Make sure your answers are written to the point.
- All answers must be written **in English**.
- When finished, save your answer on Moodle or hit the submit button.
- Cheating /copying is not allowed and will result in failing the exam.

STUDENT NAME:	
STUDENT ID:	
CLASS:	

FINAL MARKS
40

Number of answer scripts: ……

Invigilator: …….....

Student's signature: ……

Time of receipt: …….....

Question 1 [16 Marks]

1. **Download** the **Final-1** which is uploaded on Moodle.
2. Open the first sheet '**Q.1**' in **Final-1**.

	A	B	C	D	E
1	Customer Name	Account #	Income	Expenses	Total Balance
2	Abdullah Ali	123456	1450.55	1300.58	
3	Majed Fahad	234567	988.75	950.55	
4	Sara Salim	345678	1800.57	1200.35	
5	Amjad Khalid	456789	750.55	500.57	
6	Fatma Mohammed	567890	1200.58	100.58	
7					
8	2nd Highest Income				
9	Lowest Income				
10	No. of Customers				
11	Q.8				
12					

3. Format the currency to **OMR** with **two decimal** places for the columns **C**, **D**, and **E**. (2 marks)
4. Type a formula to determine the **total balance** in column **E**. (2 marks)
5. Use a function to determine the **second-highest income** in column **C**. Enter the answer in cell B8. (2 marks)
6. Use a function to find the **lowest income** in column **C**. Enter the answer in cell B9 (2 marks)
7. Use a function to find the **number of customers** in column **A**. Enter the answer in cell B10. (2 marks)
8. Suppose **Majed** in cell **A3** deposits an additional **500 OMR**. What is his new balance? Enter the answer in cell B11. (2 marks)
9. **Sort** customer names in column **A** ascending from **A – Z**. (2 marks)
10. Apply **conditional formatting** to highlight all the customers with a **balance** above **500 OMR**. (2 marks)

Question 2 [12 Marks]

1. Open the second sheet "**Q.2**" in **Final-1**.

	A	B	C	D	E
1	Route Name	Departure	Ticket Price	Quantity Sold	Total Revenue
2	Route A	8:00 AM	$75	120	
3	Route B	9:30 AM	$85	150	
4	Route C	11:00 AM	$65	200	
5	Route D	1:00 PM	$95	180	
6	Route E	3:00 PM	$110	160	
7					
8					
9	Average Price				
10	Highest Price				
11	Total Quantity Sold				
12	Q.6				
13					

2. Type a formula to calculate the **total revenue** in column **E**. (2 marks)
3. Use a function to calculate the **average price** in column **C**. Enter the answer in cell B9. (2 marks)
4. Use a function to find the **highest price** in column **C**. Enter the answer in cell B10. (2 marks)
5. Use a function to determine the **total quantity sold** in column **D**. Enter the answer in cell B11. (2 marks)
6. Suppose there is a **5% tax** when purchasing a ticket for route E. What is the total ticket price? Enter the answer in Cell B12. (2 marks)
7. Use **a filter** to display **all revenue** in column E that is less than **$15,000**. (2 marks)

Question 3 [12 Marks]

1. Open the third sheet "**Q.3**" in the **Final-1**.

	A	B	C
1	**Team Name**	**Goals Scored**	
2	Team A	15	
3	Team B	10	
4	Team C	20	
5	Team D	18	
6	Team E	12	
7	**Q.5**		
8	**Q.6**		
9			
10			

2. Add two rows after A6. (1 mark)
3. In A7, enter " Team F" and "25". (1 mark)
4. In A8, enter "Team G", and "8". (1 mark)
5. Use a function to calculate the **total Goals Scored** in column **B**. Enter the answer in cell B7. (2 marks)
6. Use a function to determine how many **empty cells** are in column **B**. Enter the answer in cell B8. (2 marks)
7. Create **a column chart** using columns A **and B** in the above table. The chart must have **a title, legend,** and **axis titles** with **appropriate style**. (5 marks)

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	7, 8, 9, 10	Application	16	
2	7, 8, 9, 10	Application	12	
3	7, 8, 9, 10	Application	12	