ACADEMIC YEAR 2023 – 2024

Program	Term	Semester	Paper
FOUNDATION	**2**	**1**	**MAIN**

MODULE NAME:	**INFORMATION TECHNOLOGY-III**		
MODULE CODE:	**FCOM003**	**EXAM DATE:**	**05/02/2024**
TEACHER'S NAME:	**Ahlam Al Balushi**	**DURATION:**	**2 hrs.**

Questions to be answered on:	Allowed requirements	Number of pages
Moodle	Computer	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 you answer on Moodle or hit the submit button.
- Cheating /copying is not allowed and will result in failing the exam.

FINAL MARKS

STUDENT NAME:	
STUDENT ID:	
CLASS:	

40

Number of answer scripts: ………………………

Student's signature: ………………………………

Invigilator: ……….……............

Time of receipt: …………….......

Question 1	[12 Marks]

1. **Download** the **Final File** that is provided in Moodle.

2. Open the first sheet 'Q.1' in the workbook 1.

	A	B	C	D	E
1			Peace Bank		
2	Customer Name	Credit Card Account	Customer Account Balance	Amount of expenses	Remaining Balance
3	Salim Ahmed	14752565711045	1500.55	1100.45	
4	Mansoor Abdullah	14875544002164	2800.55	2500.57	
5	Hafsa Mohammed	14588470211561	1800.55	200.58	
6	Jood Ali	14678956633145	1800.55	1700.55	
7	Noor Ahmed	14354789141410	2500.55	1500.56	
8	Sami Nasser	14224545788911	3500.55	3000.58	
9	Fatam Faisal	14141778895995	1500.55	500.56	
10	Maram Abdulaziz	14787855664110	3000.55	2800.59	
11	Yousef Khalid	14557896321401	2000.55	1000.57	
12	Saif Abdulrahman	14778114553322	2300.55	2141.58	
13	Alla Mohammed	14987987253301	1700.55	1200.56	
14					
15		Q.5			
16		Q.6			
17		Q.7			
18		Q.8			
19					
20					

3. Format the currency to **OMR** with **3 decimal** places for the columns **C**, D, and E.   (2 marks)

4. Type a formula to find the **remaining** balance in column **E**.   (2 marks)

5. Use a function to determine how **many customers** spent more than **1,500 OMR.** Enter the answer in cell C15.   (2 marks)

6. Use a function to find the **highest remaining balance** in **column E**. Enter the answer in cell C16.

          (2 marks)

7. Use a function to determine the **average balance** for customers in column **C**. Enter the answer in cell C17.   (2 marks)

8. If the customer in **A6 s**pends **300 OMR** on her credit card, how **much** is her **remaining balance**? Enter the answer in cell C18.   (2 marks)

1. Open the second sheet "Q.2" in workbook 1.

	A	B	C	D	E	F	G	H	I
1	Room	Guest Name	Chek-In Date	Adults	Children	Nights	Unit Price	Total Price	Status
2	101	Salim	01/05/2023	2	1	3	OMR 80.5		Checked In
3	102	Ahmed	02/05/2023	1	0	2	OMR 55.7		Checked Out
4	103	Abdullah	03/05/2023	2	2	5	OMR 150.5		Checked In
5	104	Maryam	04/05/2023	1	0	1	OMR 98.4		Checked In
6	105	Nasser	05/05/2023	2	3	6	OMR 48.5		Checked Out
7									
8		Q3							
9		Q4							
10		Q5							
11		Q6							
12									

2. Type a formula to calculate the **total price** in column **H**. (2 marks)

3. Use a function to calculate the **total nights** for all **checked-out** statuses. Enter the answer in cell C8. (2 marks)

4. Suppose **Nasser** in cell **B6** decides to stay for an **additional 2 nights**. How much should he pay? Enter the answer in cell **C9** using an Excel formula. (2 marks)

5. Use a function to find the **lowest room price** in column **G**. Enter the answer in cell C10. (2 marks)

6. Use a function to determine the **number of guests** in column **B**. Enter the answer in cell C11. (2 marks)

7. Apply **conditional formatting** to display all **rooms** that have been **checked in** after the **2nd of May**. (2 marks)

8. **Sort** customer names in column A ascending from **A – Z**. (2 marks)

Question 3	[14 Marks]

1. Open the third sheet "Q.3" in the workbook 1.

	A	B	C	D	E	F
1			Nezar Company for Phones			
2	**Tax**	5.00%				
3	**Product No.**	**Phone Code**	**Price**	**Tax**	**Phone Price after Tax**	
4	I-4785	i14	OMR 450.571			
5	I-1473	i14 Pro	OMR 480.874			
6	N-3551	X20	OMR 120.970			
7	S-2354	S22	OMR 367.105			
8	I-8763	i14 Pro Max	OMR 520.870			
9	H-7721	P50 Pocket	OMR 419.978			
10	H-7755	Nova 10 Pro	OMR 254.845			
11	S-2557	S22 Ultra	OMR 467.550			
12						
13						
14						
15	Q.4					
16	Q.5					
17						

2. A customer must pay **a tax** when he or she purchases a phone. Find the **tax amount** for each phone in **column D** using **absolute cell references**. (2 marks)

3. Type a formula to calculate the **total price** of each phone **after tax** that has been calculated in the previous column. (2 marks)

4. Use a function to calculate the **total phone price** in **column E**. Enter the answer in cell B15. (2 marks)

5. A customer has a budget of **800 OMR** and wants to **buy two phone models** (Nova 10 Pro and P50 Pocket). Is his budget sufficient to purchase both phone models? Enter the answer in cell B16. (2 marks)

6. Create **a column chart** using columns **B and C** in the above table. The chart must have **a title** and **axis titles**. (4 marks)

7. Apply **a filter** to display all **iPhone types**. (2 marks)

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	7, 8, 9, 10	Application	12	
2	7, 8, 9, 10	Application	14	
3	7, 8, 9, 10	Application	14	

References:

Morrison, C., Pusins, D. and Ruffolo, L. (2015). *Computer Literacy Basics*: A comprehensive Guide to IC3. 5th edn. Standford: Cengage Learning.