

Final Exam
FCOM002: INFORMATION TECHNOLOGY-II
Term 1- Fall 2024

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: 1.5 hours
Instructor's Name: Ahlam Mohammed Al Balushi
Exam Date: 19/11/2024
Program: FND

	40
	10

Student Information

Name: ID:
Signature:

Invigilator

Initials: ☐ Student ID checked
Time received:

Question 1**[5 Marks]**

1. Create a new Word Processing file.
2. **Insert** three pages. (1 mark)
3. Create a **column chart** based on the table shown below. It should include a title, legend, and axis titles with appropriate style. (4 marks)

Manufacturer	Price
Ferrari	OMR 35,000.6
Hyundai	OMR 18,000.8
Mercedes	OMR 30,000.7
MG	OMR 8,000.8
Ferrari	OMR 35,000.6

Question 2**[13 Marks]**

1. Insert a **table** with 3 columns and 6 rows, and enter the data as shown below. (3 marks)

Item Name	Qty	Price
Grey Sofa	5	350.45 OMR
Coffee Table	2	120.31 OMR
Side Table	3	81.71 OMR
Rug	2	100.89 OMR
cushions	10	68.99 OMR
Wall Art	2	140.21 OMR
Candle Holder	3	20.19 OMR
Shipping		10.87 OMR
Tax		31.19 OMR

2. Insert a **column** right to the price column and **label** it 'Note'. (1 mark)
3. Set the **height** of the "Note" column to 0.43. (1 mark)
4. **Merge** all cells from Row #2 to Row #8 to have two cells only and type as shown below. (1 mark)

Order Lines
Shipping & Tax

5. The **font type** and **size** of the heading must be **Times New Roman** and **16**. (1 mark)
6. The **font type** and **size** of the text must be **Times New Roman** and **13**. (1 mark)
7. In the table, all text must be aligned to the center. (1 mark)
8. Change the **text direction** of 'Order Lines' to **vertical**. (1 mark)
9. Apply the following **Borders** option to the last column: (2 marks)
 - Setting: all
 - Style: Wave line
 - Color: dark green
 - Width: 1 ½ pt
10. Apply Shading to the table as you wish. (1 mark)

Question 3**[13 Marks]**

1. Type the text as provided below on the third page. (3 marks)

In the digital era, personalized adaptive learning (PAL) has become essential in transforming learning from traditional, one-size-fits-all approaches into customized educational experiences that meet students' needs, interests, and abilities. This shift has increased recently to achieve high-quality education which is the fourth goal of SDG. PAL recognizes the diversity of students in their academic performance, abilities, learning styles, and motivational drivers (Song et al., 2024).

2. Apply the following instructions to the text.
 - a. The **font size** of the **text** must be **12** and the font type is **Times New Roman**. (1 mark)
 - b. Alignment must be set to **Justify**. (0.5 marks)
 - a. Apply Drop Cap to the first letter, which must be dropped to the third line. (1.5 marks)
 - b. Apply change case (Uppercase) to the second line. (1 mark)
3. Insert a **picture** related to 'Learning'. (1 mark)
 - **Crop** a small part of the picture. (0.5 marks)

- Set the **picture's height** to 2.5 pt. (0.5 marks)
 - Apply any **Reflection** effect to the picture. (0.5 marks)
 - Set the **Brightness** to zero and the **Contrast** to -30%. (0.5 marks)
4. Insert **WordArt** and type 'Adaptive Learning'. (1 mark)
- The **font size** and **font type** of WordArt must be 38 and Times New Roman respectively. (1 mark)
 - Apply any **Transform effect** to WordArt. (1 mark)

Question 4**[4 Marks]**

1. Insert two rectangle shapes and apply the following:
- a. The first rectangle must be filled with a light orange color, without outline, and type $\frac{x}{10} + \frac{5}{10}$ (1.5 marks)
 - b. The second rectangle must be filled with light purple with a green double outline and type $-b + \sqrt[2]{X + 8}$ (1.5 marks)
 - c. Apply the 'Riblet' bevel effect to the first shape and the 'Angle' bevel effect to the second shape. (1 mark)

Question 5**[5 Marks]**

- 1. **Margins** as follows: Top: 0.8, Bottom: 0.8, Left: 1, and Right: 1 (1 mark)
- 2. Make the first page only: **Landscape** orientation. (1 mark)
- 4. Make a **dashed line** with a **1pt** page border for the first page only. (1 mark)
- 5. Insert a **header** containing 'FCOM002' on the left side of the page and 'Year 2024-2025' on the right side. (1 mark)
- 6. Insert a **footer** that includes: 'Final Exam' in the middle of the page and the page number on the right. (1mark)

Reference:

Song, C., Shin, S.Y., & Shin, K.S., 2024. Implementing the dynamic feedback-driven learning optimization framework: A machine learning approach to personalize educational pathways. *Applied Sciences (Switzerland)*, 14(2). Available at: <https://doi.org/10.3390/app14020916>

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	9	Application	5	
2	9	Application	13	
3	8, 9	Application	13	
4	9	Application	4	
5	7, 8, 9	Application	5	