

Instructions to candidates

Part B

Duration: Two (02) hours

Number of questions: Three (03)

Answer all questions

Mark allocation: 60

Create a folder in **Desktop** and rename it with your **Examination Number**.

(i.e. UWU_EX_15_OXX)

Create separate files for each question inside the folder.

Zip your folder, then upload to the **CMS**.

You are **not allowed** to use any external memory devices during the examination.



1. Using following instructions, create the brochure given below (Figure 1) and save it as Brochure.docx (Download the "Resource" folder from CMS to get the relevant images and text).
 - a. Change the layout of the Brochure.docx page as given below.
 - Page size: A4 (8.27" x 11.69")
 - Page orientation: Landscape
 - b. Change the page margins of the Brochure.docx file as follows.
 - Top: 1.00"
 - Bottom: 1.00"
 - Right: 0.75"
 - Left: 0.75"
 - c. Apply a decorative style to the heading of the brochure using Word Art.




  <p>There is the list of top 10 wonders of the world which are the masterpiece of the skill and handwork of the people of that era.</p>	<ol style="list-style-type: none">1. Roman Baths The famous Roman Baths complex is a site of historical interest in Somerset.2. Leaning Tower of Pisa This tower is constructed first in Pisa a city of Italy in August 14, 1173 It is known due to its inclinations towards right side.3. Colosseum The Colosseum, or the Coliseum, originally the Flavian Amphitheatre is an elliptical amphitheatre in the centre of the city of Rome, Italy.4. Taj Mahal of Agra 	<ol style="list-style-type: none">5. Chichen Itza Chichen was founded by the Maya civilization in 400 AD and it is located in the north central, north of Yucatan Peninsula now called Mexico.6. Hagia Sophia The masterpiece of construction, Hagia Sophia is a former Christian patriarchal basilica (church), later an imperial mosque, and now a museum in Istanbul, Turkey.7. Machu Picchu Machu Picchu is the pre-Columbian, Inca empire site that is located almost 8,000 feet above the sea level.8. The Great Wall of China Considered one of the New Seven Wonders of the world, the Great Wall of China was constructed 7th century BC.9. Cristo Redentor Statue10. Petra
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Figure 1: Brochure

(15 mark)

2. Create a Microsoft Excel workbook and save it as **Sales.xlsx**.

a. Rename the worksheet1 as "Furniture Sale".

b. Create the table given below using following instructions.

- Merge cells as shown in the *Figure2*
- Add currency format in **LKR** to **Actual Price**, **Discount** and **Selling Price** columns
- Add table borders
- Bold the headings
- Highlight the rows as shown in the *Figure2*

	A	B	C	D	E	F
1	Furniture Sale					
2						
3						
4	Item	Actual Price	Discount	Selling Price		
5	Desk	15000.00				
6	Chair	7500.00				
7	Table	12000.00				
8	Bed	23000.00				
9	Cabinet	24000.00				
10	Stool	2500.00				
11	Bench	5000.00				
12	Wardrobe	18000.00				
13	Pantry	17000.00				
14	Total					
15	Cheapest Selling Price					
16	Expensive Selling Price					
17						

Figure2: Furniture Sale

c. Derive the formula to find the **Discount** values. The **Discount** is 30% from **Actual Price**.

d. Derive the formula to calculate the **Selling Price**.

$$\text{Selling Price} = \text{Actual Price} - \text{Discount}$$

e. Calculate the total **Actual Price**, total **Discount**, and total **Selling Price** using appropriate functions.

f. Find the selling price of cheapest and most expensive furniture items using appropriate function.

g. Sort the table by **Actual Price** in ascending order.

h. Highlight the values where the **Selling Price** is more than Rs.10, 000 using conditional formatting.

i. Add today's date and the page number in the worksheet footer.

(20 mark)

3. The following two (02) tables show the student details and the Degree programmes of the students who have been selected for a quiz competition. Create a database named **UWUQUIZ.accdb** and create the following tables.

Table Name: **Students**

Field name	Data type	Data Type/ Format
StID	Number	Long Integer
FName	Text	20
LName	Text	20
DegreeID	Number	Long Integer
Year	Number	Long Integer

Table Name: **Degree**

Field name	Data type	Data Type/ Format
DegreeID	AutoNumber	Long Integer
DegreeName	Text	20

- a. Set the primary key as "StID" to the table **Students** and "DegreeID" to the table **Degree**.
 b. Add the following records to the table **Students**.

StID	FName	LName	DegreeID	Year
2	Sahan	Silva	2	2
5	Sammani	Hapugoda	7	1
6	Chamila	Kumari	6	2
8	Rukshan	Perera	4	3
10	Vishwa	Perera	8	4
11	Vimasha	Fernando	10	2
12	Hemantha	Silva	8	2
22	Nuwan	Perera	1	3
23	Namal	Mahendra	1	4
30	Lahiru	De Silva	5	1
34	Saman	Fernando	9	3
43	Sewwandi	Gamage	3	2
54	Manisha	Derick	3	1



- c. Add the following records to the table **Degree**.

DegreeID	DegreeName
1	CST
2	IIT
3	SCT
4	MRT
5	EAG
6	ANS
7	AQT
8	ENM
9	TEA
10	PLT

- d. Create the relationship between the two (02) tables in order to maintain referential integrity.
- e. Sort the Lname in **descending** order.
- f. Generate a **query** to display students' details of IIT and CST degree programmes. Name the query as "Student Detail".
- g. Generate another **query** to find the 2nd year students whose degree programme is SCT. Name the query as "SCT second year".
- h. Create **forms** to add, delete and update the records in each table.
- i. Create a **report** which displays student ID, First Name, Last Name with the relevant degree programme name. Name it as "Final report" and add an appropriate theme and topic.

(25 mark)