UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2022/2023

COURSE NAME   :   WEB DEVELOPMENT

COURSE CODE   :   DAT 21303

PROGRAMME CODE   :   DAT

EXAMINATION DATE   :   FEBRUARY 2023

DURATION   :   2 HOURS 30 MINUTES

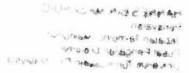INSTRUCTIONS   :   1. ANSWER ALL QUESTIONS

2. THIS FINAL EXAMINATION IS CONDUCTED VIA **CLOSED BOOK.**

3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK

THIS QUESTION PAPER CONSISTS OF **SEVEN (7)** PAGES

TERBUKA

Q1   (a)   Write a PHP program to display the pattern shown in **Figure Q1(a)**. Use
                 Courier New as the font for this pattern.

(10 marks)

        (b)   Write a PHP program to display the pattern shown in **Figure Q1(b)**. Use
                 Courier New as the font for this pattern.

(10 marks)

        (c)   List TWO purposes of client server application.

(2 marks)

        (d)   Write an HTML program to display records shown in **Table Q1(d)**.

Table Q1(d)

Date	Daily expenses
Jan 1, 2023	25.00
Jan 2, 2023	20.00
Jan 3, 2023	10.00

(3 marks)

Q2   (a)   **Table Q2(a)** shows October 2022 sales records for car sales. Write a PHP program
                 to create an array of the records and display in table.

Table Q2(a)

Car	Monthly Sales	Sales executives
Volvo	100	Ahmad
BMW	300	Daniel
Toyota	500	John
Proton	150	Darren
Perodua	50	Lisa

(10 marks)

        (b)   State **FIVE** invalid variable names in PHP.

(5 marks)

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(c)   Write an HTML interface and JavaScript to convert US dollar to Malaysian Ringgit. The interface shown in **Figure Q2(c).**

(5 marks)

(d)   Write PHP program that prints the following receipt shown in **Figure Q2(d).**

(5 marks)

Q3   (a)   Create a function that will calculate the sum of two numbers. Let variable x and y be the number one and two respectively. Call the function with the input of 5 for x and 10 for y. Print the result of the operation.

(5 marks)

(b)   Write a PHP program of multiplying two numbers and show the result as shown in **Figure Q3(b).**

(5 marks)

(c)   Create a PHP form for accepting input of two numbers using GET methods and that will open the "add.php" file when Submit button is pressed. Refer the form interface in **Figure Q3(c).**

(5 marks)

(d)   Columns for a login table are full_name, user_name, email, password and contact_number.

By using PHP and MySQL show the code for:

(i)   Creating the login table.

(2 marks)

(ii)   Inserting the following record.

full_name	: John Doe
user_name	: john
email	: john@gmail.co
password	: john12345
contact_number	: 012-3456789

(2 marks)

(iii)   Search records by using full_name for "Doe".

(2 marks)

(iv)   Update user_name from "John Doe" to "Mike Doe".

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```
Id              : 2
full_name       : John Doe
user_name       : John
email           : john@gmail.co
password        : john12345
contact_number  : 012-3456789
```

(2 marks)

(v)   Delete the record for id number 2.

(2 marks)

Q4   A web layout is given in **Figure Q5**. The page contains navigation bar, carousel, jumbotron, card and a footer.

Write the HTML code element for:

(a)   navigation bar

(8 marks)

(b)   jumbotron

(2 marks)

(c)   card in column grid. Use image name as img#.png for the page you have created where # is a number.

(10 marks)

(d)   footer

(5 marks)

-END OF QUESTIONS –

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Figure Q1(a)

Figure Q1(b)

CURRENCY EXCHANGE	
USD	00.00
MYR	00.00

Figure Q2(c)

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AEON BIG BATU PAHAT
No 1B Jalan Persiaran Flora Utama
Taman Flora Utama
Batu Pahat, 83000, Johor

Date   30 Dec 2022
Time   12:00PM

Wise Cottage Fries Tomato Ketchup	1	RM14.20
Koloko Pea Crackers Seaweed - 57g	1	RM2.90
Breeze Comfort Liquid - 3.6kg	1	RM26.00

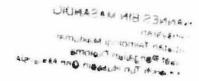|	
Sum	RM43.10
Paid	RM50.00
Change	RM6.90

Thank you

Figure Q2(d)

first_number = 10
second_number = 20

Sum of two numbers = 30

Figure Q3(b)

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Number1: 10

Number2: 4

Submit

Figure Q3(c)

Navbar   Home   Features   Pricing   Contact

Men First Shampoo

Resize this responsive page to see the effect!

L'Oreal Paris

Lorem ipsum dolor sit amet, consectetur adipisicing elit...

Tired of oily hair & stubborn residue? Men Expert Oil Controller shampoo purifies & revitalizes your hair on a daily basis. After use, hair and styling products are easier to manage to make your most desired styles achieveable.

Head and Shoulders

Lorem ipsum dolor sit amet, consectetur adipisicing elit...

Get ready to clean your scalp to the pore with the deep-cleaning power of Head and Shoulders Shampoo, with charcoal.

Suave Men

Lorem ipsum dolor sit amet, consectetur adipisicing elit...

Lather up with this men's peppermint shampoo, designed to deep clean hair and leave it looking, feeling, and smelling fresh.

AXE

Lorem ipsum dolor sit amet, consectetur adipisicing elit...

AXE is the household brand among guys these days. The company's grooming products are rivaled by few for quality and price, and who doesn't love those commercials.

Figure Q5