

**UNIVERSITY COLLEGE TATI (UC TATI)****FINAL EXAMINATION QUESTION BOOKLET**

COURSE CODE	: DCT 2124
COURSE	: WEB APPLICATION DEVELOPMENT
SEMESTER/SESSION	: 2-2024/2025 (SEPT)
DURATION	: 3 HOURS

Instructions:

1. This booklet contains **5** questions. Answer **ALL** questions.
2. All answers are to be written in answer booklet provided.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

**THIS BOOKLET CONTAINS 4 PRINTED PAGES INCLUDING COVER
PAGE**

QUESTION 1

- a) HTML, the backbone of the internet, structures and presents the content of nearly every website. It enables the display of text, images, links, and multimedia elements.
- i. Define of HTML. (3 marks)
 - ii. Define **TWO (2)** categories of website. (2 marks)
- b) Write a basic HTML template with a simple table containing **ONE (1)** single row and **TWO (2)** columns. (8 marks)
- c) The <body> element defines the visible page content, including text, images, and other elements.
- i. Construct the HTML code to create a webpage with a background color of #f7e757 and blue text color (4 marks)
 - ii. Construct the HTML code to make the word 'Contact Us' function as a link to www.makhomestay.com, opening the link in a new window or tab. (4 marks)
- d) Distinguish between a News website and an E-Commerce website. (4 Marks)

QUESTION 2

- a) Give **THREE (3)** primary editing views provided by Dreamweaver. (3 marks)
- b) Define about wireframe. (2 marks)

- c) Draw **ONE (1)** basic wireframe for a corporate homepage, including navigation, a slider, a few images, and a corporate video. (7 marks)

QUESTION 3

- a) Explain **THREE (3)** reasons why PHP is a popular choice for building dynamic websites and web applications (6 marks)
- b) Write a syntax for connection to MySQL server in PHP file as details in Table 1. (5 marks)

Table 1: Details of Connection

Host	localhost
Username	Admin_wanhomechalet
Password	\$1ry6b\$

- c) Give **TWO (2)** steps to check if your local server is running and accessible. (2 marks)

QUESTION 4

- a) Describe the meaning of Database, Record and Field. (6 marks)
- b) Justify **FIVE (5)** data fields required for a 'customer registration form', including the **ONE (1)** table name, the primary key, and data type for each field. (12 marks)
- c) Describe CRUD, which refers to the basic operations performed on data within a database. (8 marks)

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- d) Classify **THREE (3)** examples of query keywords used in Structured Query Language (SQL) along with descriptions in a table. (6 marks)
- e) Describe **THREE (3)** functions performed by server-side scripts. (6 marks)

QUESTION 5

- a) State **THREE (3)** advantages and **THREE (3)** disadvantages of the web trends. (6 marks)
- b) Justify **THREE (3)** techniques to create and implement copyright for a website. (6 marks)

-----End of question-----