UNIVERSITY COLLEGE
TATI

UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET

COURSE CODE	: DCT 2124
COURSE	: WEB APPLICATION DEVELOPMENT
SEMESTER/SESSION	: 1-2024/2025 (APRIL)
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) Web pages on the World Wide Web (WWW) are commonly created using HTML code. Describe about education website and personal website based on purpose, content and target audience.   (6 marks)

b) Refer to Figure 1 below, write in **ONE (1)** file the basic HTML syntax structure by:

     i. Insert heading 2 for 'The Purpose of Website'

     ii. In a paragraph, add two break lines of sentences.

The Purpose of Website

Websites are crucial for sharing information and connecting people. They serve as platforms for communication, education, and business.

(8 marks)

Figure 1

c) Explain the purpose of hyperlink and provide an example of hyperlink syntax.   (5 marks)

d) Distinguish **THREE (3)** characteristics between an ordered and unordered list style.   (6 marks)

QUESTION 2

a) Describe **FIVE (5)** commonly used input elements syntax in webpage forms.   (5 marks)

b) Draw **ONE (1)** sample of wireframe homepage for the corporate website including content elements of navigations, slider, image and video.   (7 marks)

QUESTION 3

a) Explain **THREE (3)** reasons why PHP has become a popular choice for programming language in web development. (6 marks)

b) Identify **THREE (3)** steps how to set up a basic web server on a local machine using Apache in XAMPP (6 marks)

QUESTION 4

a) Bookshop Enterprise chooses to create a dynamic website. Identify **THREE (3)** appropriate dynamic web applications and explain their usefulness for this company. (6 marks)

b) Identify **ONE (1)** table name and **FIVE (5)** fields required for feedback form including the primary key and data type of the fields decided. (12 marks)

c) Describe how static websites and dynamic websites effect user experience, providing examples for each category (4 marks)

d) Interpret **THREE (3)** functions of server-side scripting can do. (6 marks)

e) Explain **FIVE (5)** examples of query keywords for Structure Query Language (SQL). (10 marks)

QUESTION 5

While the evolution of web design trends may go unnoticed by many internet users on a daily basis, these changes are ongoing and significant. It's important to pay attention to these shifts. Even if you don't have advanced web design skills, utilizing a website builder can enable you to stay current and create impactful websites. Refer to this issue;

a) Identify **FIVE (5)** basic focus trends of web design and application.   (5 mark)

b) State the **FOUR (4)** advantages and **FOUR (4)** disadvantages of website trends.   (8 marks)

---End of question---