

**UNIVERSITY COLLEGE TATI (UC TATI)**

FINAL EXAMINATION QUESTION BOOKLET	
COURSE CODE	: DCT 2124
COURSE	: WEB APPLICATION DEVELOPMENT
SEMESTER/SESSION	: 1-2021/2022
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) The language of web pages on the World Wide Web commonly using HTML code.
- i. Define of HTML. (3 marks)
 - ii. Give an example of basic editor and advance software editor for website development. (2 marks)
- b) Write the basic structure of HTML coding and insert table with **ONE (1) row TWO (2) columns**. (8 marks)
- c) The <body> element contains information about the page's background color, the background image, as well as the text and link colors.
- i. Write the HTML syntax to display a page document with color code #F12154 for page background color and blue color for text (4 marks)
 - ii. Write the HTML syntax to make the word UCTATI work as a link to www.uctati.edu.my and the target is linked document in a new window or tab. (4 marks)
- d) Distinguish between Portal and E-Commerce website. (4 Marks)

QUESTION 2

- a) Tim Berners-Lee saw the possibility of using hyperlinks to link any information to any other information over the Internet. Describe the meaning of hyperlink, visited link and active link. (3 marks)
- b) Define about wireframe. (2 marks)
- c) 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) Discover about web server based on your understanding. (3 marks)
- b) Write syntax for connection to MySQL server in PHP file as details in Table 1. (5 marks)

Table 1

Host	localhost
Username	Admin_HR
Password	\$1hg6b\$

- c) Give **FIVE (5)** reasons why PHP was chosen as the most popular server-side script today. (5 marks)

QUESTION 4

- a) Describe meaning of Database, Record and Field. (6 marks)
- b) Identify **FIVE (5)** fields required for club member registration form including the table name, primary key and data type of the fields decided. (12 marks)
- c) Distinguish between static website and dynamic website. (4 marks)
- d) Give **THREE (3)** advantages and **THREE (3)** disadvantages of dynamic website. (6 marks)
- e) Give **FIVE (5)** examples of query keywords for Structure Query Language (SQL) and describe. (10 marks)

QUESTION 5

- a) Explain **THREE (3)** advantages of the web trends. (6 marks)
- b) Interpret **TWO (2)** ways for creating the copyright of website. (4 marks)
- c) Define about software licensing. (2 marks)

-----End of questions-----