



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS
YEAR TWO SEMESTER TWO EXAMINATIONS**

**FOR THE DEGREE OF
DIPLOMA OF SCIENCE
(INFORMATION TECHNOLOGY)**

COURSE CODE : DIT 068

COURSE TITLE : WEB PROGRAMMING

DATE: 16/06/2021

TIME: 9.00 A.M – 11.00 A.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

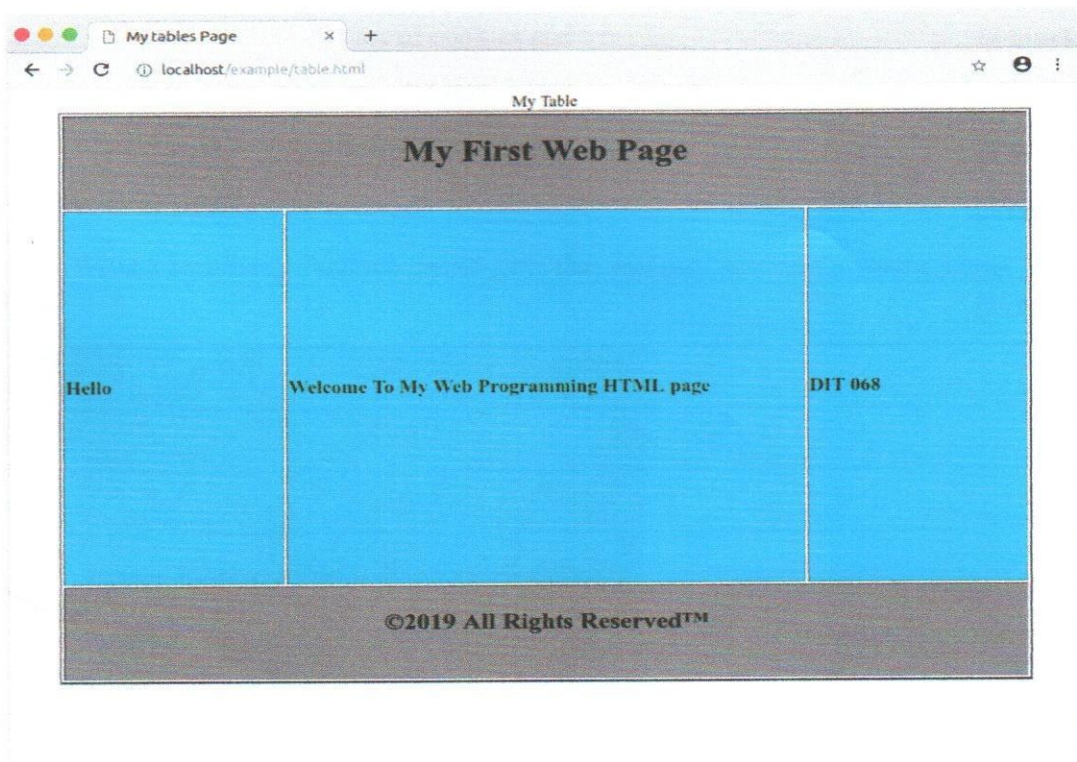
QUESTION ONE (COMPULSARY) [24 MARKS]

- a. What is HTML? [2 marks]
- b. What is CSS? [2 marks]
- c. What is JavaScript? [2 marks]
- d. What is a variable? [2 marks]
- e. With examples distinguish between web server and application software. [4 marks]
- f. Write down the HTML source code that will import a JavaScript file “script.js” to a user’s html page that is in the same directory. [2 marks]
- g. Write the HTML source code that will attach a css file called “main.css” which is located in a sub directory to the html page called css. [2 marks]
- h. Write down the source code of a simple html page displaying the hello world message with a page title as “My First Web Page”. [4 marks]
- i. Write the following abbreviations in full. [4 marks]
 - i) TCP :
 - ii) URL :
 - iii) HTTP:
 - iv) HTML:

QUESTION TWO [18 MARKS]

- a. Describe the CSS syntax giving out an example. [4 marks]
- b. What does the following CSS code do to a html page. [2 marks]

```
p, h1, h2 {  
    color: green;  
}
```
- c. Write the html source code that will generate the following output. [12 marks]



QUESTION THREE [18 MARKS]

- Discuss the aspects of server side scripting/programming [4 marks]
- Write down the syntax of a php code in a html page. [2 mark]
- Write down the syntax of a variable creation in PHP giving out an example. [2 marks]
- Write down the syntax of a "for" loop in PHP giving out a source code example. [4 marks]
- Write down the syntax of an if/elseif/else statement in php. [4 marks]
- What is a PHP expression block? Write down its syntax. [2 marks]

QUESTION FOUR [18 MARKS]

- Write the code that will include a class.php file to a HTML file that is in the same directory as the HTML page. [2 marks]
- What is a cookie? [2 marks]
- What is a session? [2 marks]
- Name the super-global arrays that are used to store cookies and the other that is used to session data. [2 marks]
- Name the functions that are used to store cookies, start a session and as well as destroy a session in PHP. State their return types as well as parameters accepted [6 marks]

- f. Discuss the characteristics of cookies and sessions. [4 marks]

QUESTION FIVE [18 MARKS]

- a. What does the "GET" and "POST" do in forms. [2 marks]
- b. What is an Associative array? [2 marks]
- c. Write a JavaScript function called greet that will produce the following output when called. [2 marks]



- d. What is form validation? List some types of validation. [4 marks]
- e. Discuss the benefits of client side scripting. [4 marks]
- f. Discuss the similarities of JavaScript and PHP [4 marks]