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(Knowledge for Development)

**KIBABII UNIVERSITY
(KIBU)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
END OF SEMESTER EXAMINATION**

2021/2022 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION

FOR THE DIPLOMA IN

(INFORMATION TECHNOLOGY)

COURSE CODE: DIT 068

COURSE TITLE: WEB PROGRAMMING

DATE: 18/05/2022

TIME: 9.00 A.M. – 11.00 A.M.

2HRS

INSTRUCTIONS TO CANDIDATES:

ANSWER QUESTION ONE AND ANY OTHER TWO.

Paper Consists of 3 Printed Pages. Please Turn Over ►

QUESTION ONE (COMPULSORY) [24 MARKS]

- a) Write a code that will show code is HTML 5 and is you are not using HTML5 [2Marks]
- b) Collspan and Rowspan are attributes that are applied to tables. Write a code and draw the output of the code to differentiate the two. [4Marks]
- c) Using the bold and Italic tags, show the concept of nesting the text "Hello World" that is placed inside a paragraph tag. i.e [4Marks]
- `<p> Hello Wolrd </P>`
- d) Write a code that will display the following equation as it is: [4Marks]

$$\cos(a) + \cos(b) = 2 \cos\left(\frac{a+b}{2}\right) \cos\left(\frac{a-b}{2}\right)$$

- e) Write a JavaScript code that will be set on a button to show password when clicked and hide it after mouse up [6Marks]
- f) Using Code differentiate between an Anchor and a Jump [4Marks]

QUESTION TWO [18 MARKS]

- a) Using style attribute inside a tag of your choice, write a HTML code to show the three different ways CSS can be applied in Web Programming [6marks]
- b) Tables can be used in two ways in HTML. Using html code
- i) Which attribute is used to show border of a table? Show example that sets border to 2px [2Marks]
 - ii) Explain this statement [6Marks]
 - iii) Write a code that will show a responsive and non-responsive website using table [4Marks]

QUESTION THREE [18 MARKS]

- a) Write a HTML code that displays the following 1 (Note that the document title is "Kenyan University"). Include a header and a title of your choice [10 Marks]

Kenyan Universities			
Public Universities		Private Universities	
Western Kenya	Nairobi	Western Kenya	Nairobi
1. Kibabii University	1. UON • Kabete • Nakuru	1. Great Lakes 2. Sacred	1. CUEA • Karen • City
2. MMUST			

<ul style="list-style-type: none"> • Webuye • Mumias 	2. KU <ul style="list-style-type: none"> • Ruiru • City 		2. MKU <ul style="list-style-type: none"> • Thika • City
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- b) Add a form that will request one to type in a university and send it to your email [4Marks]
- c) Write a CSS file that will color all western universities to green and Nairobi to Yellow. N/B the sheet will be attached via the header [4Marks]

QUESTION FOUR [18 MARKS]

- a) Differentiate the following using a HTML code of your Choice [16Marks]
- i) DIV and SPAN
 - ii) ID and CLASS
 - iii) BGCOLOR and BACKGROUND-COLOR
 - iv) TD and TH
- b) Write a code that will insert an Image abc.jpeg that is on the same server as the html page and compare it to the same image being in "https://kibu.ac.ke/abc.jpeg" [2Marks]

QUESTION FIVE [18 MARKS]

- a) Write a code that shows how radio button differ from check boxes using an example of any three fruits [6Marks]
- b) Submit Button in a form can have two actions. Using an appropriate example explain [4Marks]
- c) How is HTML different from XML? Discuss any three differences [6 Marks]
- d) Write a code that adds a favicon to the header of the HTML page [2 marks]