TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION

TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN INFOTMATION COMMUNICATION TECHNOLOGY

ECS 2203: WEB DESIGN

END OF SEMESTER EXAMINATION

SERIES: AUGUST2017

TIME: 2 HOURS

Pick DateSep2017

Instructions to Candidates

You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **FIVE** questions. Attemptany THREE questions.
Do not write on the question paper.

Question 1 (20 Marks)

a. Briefly explain the role of Hyper Text Protocol (HTTP)   **[4 Marks]**
b. Outline the basic structure of a simple web page   **[2 Marks]**
c. Briefly describe merits and demerits of using CSS   **[6 Marks]**
d. Briefly Explain the following:

   i.   CGI
   ii.   HTML element
   iii.   HTML attribute
   iv.   Scripting engine   [**4 Marks]**

e. Differentiate between dynamic and static web page   **[2 Marks]**

Question 2

a. Explain the following terms:

    i.   Web server
    ii.   Empty element
    iii.   Hyperlink   **[6 Marks]**

b. With aid of examples describe JavaScript popup boxes that can be used to communicate with users

[6 marks]

c. Write a JavaScript code that will display 10 integers on separate line   **[4 Marks]**

d. Write HTML code that will display an image stored in 'comp.jpg' centered across page   **[4 Marks]**

Question 3

a. Consider HTML code below:

```
<html>
<body>
<form>
<input type = "radio" name = "x" value = "MR"> Mr <br>
<input type = "radio" name = "x" value = "MRs"> Mrs <br>
<input type = "radio" name = "x" value = "Mi"> Miss <br>
 <input type = "radio" name = "x1" value = "M"> Male <br>
<input type = "radio" name = "x1" value = "F"> F <br><br>
<input type = "checkbox" > Window 7 <br>
<input type = "checkbox" > Window 10 <br>
<input type = "submit" name = "POST" value = "POST">
</form>
</body>
```

  Sketch output produced by the code   **[6 Marks]**

b. List the attribute of <font> tag   **[2 Marks]**

c. Distinguish between server side script and client side script stating one use of each   **[4 Marks]**

d. Describe any FOUR objects that can be used on HTML form to collect user data   **[8 Marks]**

Question 4 (20 Marks)

a. Explain the term 'XHTML' and how does it differ from HTML   **[10 Marks]**

b. Describe 'XML' its purpose and how it differs from HTML   **[4 Marks]**

c. Post and Get are attributed of <form> tag. Explain their functions and state when each is most suitable

[6 Marks]

Question 5 (20 Marks)

a. Define the term 'cookie' **[2 Marks]**

b. Explain any four uses of cookies **[8 Marks]**

c. List any two logical operators of JavaScript and the symbols used **[2 Marks]**

d. State the use of the following tags:

      i.   \<div>

      ii.   \<pre> **[2 Marks]**

e. State how to set different bullets type when using unordered lists **[6 Marks]**