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: AUGUST 2019

TIME: 2 HOURS

Pick Date Aug 2019

(Paper 2)

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. Explain the following terms:

    i.   Markup Language
    ii.   Script Engine
    iii.   Description List
    iv.   XML   **[8 Marks]**

b. Explain functions of any four tag that can be inserted between the <head> and </head>
    tags in HTML document   **[8 Marks]**
c. State any four pairs of tags associated HTML table   **[4 Marks]**

Question 2 (20 Marks)

a. Write HTML tags to:

    i. Display picture on web page which is right aligned and has border
    ii. Create graphic link to portal of your choice
    iii. Set font to Calibri and size 15
    iv. Display blank spaces between two words
    v. Display web page with green background and display text in blue colour
    vi. Set background picture 'logo.jpg' on web page
    vii. Display horizontal line across half the web page
    viii. Display characters on browser which occupy same horizontal space
    ix. Display one row of table in colour blue
    x. Display a cell in a table which spreads across 3 columns   **[10 Marks]**

b. By means of example explain the following CSS attributes :

    i. text-decorator
    ii. text-weight
    iii. text-transform
    iv. text-family
    v. word-spacing   **[10 Marks]**

Question 3 (20 Marks)

a. Write HTML tags to display the following section of web page:

Student Representatives:

- Mary Owino
- J Ali
- George Masha   **[4 Marks]**

b. Describe advantages of using CSS in developing web sites   **[10 Marks]**

c. Explain two ways in which data can be sent from form to web server. State the when each method is most suitable   **[6 Marks]**

Question 4 (20 Marks)

a. Explain the use of following objects used on form and write HTML tags used to create:

    I. Submit Button
    II. Reset Button   **[8 Marks]**

b. Describe functions of PHP scripts   **[8 Marks]**

c. Write HTML tags to create links to:

      I.   Email address: john.abcco@gail.com

     II.   Music clip 'xya.mp3'   **[4 Marks]**

Question 5 (20 Marks)

a. Explain differences between:

      I.   Sever side scripts

     II.   Client side scripts   **[10 Marks]**

b. Briefly outline phases of web design   **[10 Marks]**