TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY (DICT 13M)

ECS 2201: WEB DEVELOPMENT

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2013
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

Question One (Compulsory)

a) Explain the following: **(5 marks)**
    (i)   Web browser
    (ii)   Web page
    (iii) Web site
    (iv) Uniform Resource Locator (URL)
    (v)   Hyperlink

b) Write HTML code that would produce the following links:
    (i)   Link to a second file called 'abc.mp3'
    (ii)   Link to nationaudio.com
    (iii) Link to email address of JohnKamau@yahoo.com
    (iv) Link to top current page.   **(8 marks)**

c) State the use of the following tags:
    (i)
    (ii)   <b>
    (iii) <h1>
    (iv) <title>
    (v)   <body>   **(5 marks)**

d) Explain what you understand by the term 'HTML' element.   **(2 marks)**

Question Two

a) Write HTML code that will display the following on a web page:

<div align="center">

Welcome
<u>The best café in Town</u>

</div>

- Tea
    - Tea with milk
    - Iced Tea
    - Black Tea

- Coffee
    - Black coffee
    - Coffee with milk

- Cold juices
    - Passion
    - Mango
    - Orange

<div align="center">

AND MUCH MORE

</div>

                                                                         (8 marks)

b) List HTML code to display the following:

Name:

Mobile:

Age:

Gender
- o   Male
- o   Female

SUBMIT   CANCEL

Note: It is required that all text boxes be aligned in straight line   **(8 marks)**

c) Explain the use of the following attributes of <form> tag:
   (i) Method
   (ii) Action   **(4 marks)**

Question Three

a) Write HTML tags to display mark of student in table as shown below:

TECHNICAL UNIVERSITY OF MOMBASA			
Reg. No.	Name	CAT	EXAM
DICT/001/13	John Kamau	15	30
DICT/002/13	Ali Said	28	45
DICT/005/13	Fatma Owino	30	50

b) Explain what is meant by CGI   **(8 marks)**

c) Using examples, explain the following:
   (i)   HTML element
   (ii) Empty element
   (iii) Frameset
   (iv) Iframe   **(8 marks)**

d) Using means of suitable examples, distinguish between:
   (i)   Cell padding
   (ii) Cell spacing   **(2 marks)**

Question Four

a) Explain the use of the following frameset attributes:
   (i)   Scrolling
   (ii) Border
   (iii) Resize
   (iv) Margin width

(v) Margin heigh **(5 marks)**

b) List any THREE uses of Java Script in HTML document. **(3 marks)**

c) Explain the following:
  (i) Server-side script
  (ii) Client-side script
  (iii) Cascading style sheets
  (iv) Script engine. **(8 marks)**

d) Rewrite the following Java Script code using Java conditional operators.
```
If (Mark >= 40)
grade = "pass"
else
grade = "fail";
```
(2 marks)

e) Define the term cookie. **(2 marks)**

Question Five

a) Explain how variables are declared in Java Script. **(4 marks)**

b) Write HTML code containing Java function that will accept user name and display it a window when a user clicks on a button. **(8 marks)**

c) Describe any TWO practical uses of cookies. **(4 marks)**

d) Rewrite the following codes to conform with XHTML standards:
  (i) <B> Technical Uni of Msa <IB>
  (ii) The Technical University Mombasa
  (iii) <table border = 2>
  (iv) <u> <center> <h1> Technical University
  </u> </center> </h1> **(4 marks)**