



TECHICAL UNIVERSITY OF MOMBASA  
**Faculty of Engineering &  
Technology**

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY

ECT 2203: WEB DESIGN & DEVELOPMENT

SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES:** FEBRUARY 2013

**TIME:** 2 HOURS

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer 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  
**SECTION A (COMPULSORY)**

**Question One (20 marks)**

a) Describe the following tags:

- i) `<html> </html>`
- ii) `</head> </head>`
- iii) `<title> </title>`
- iv) `<body> </body>`

b) State **THREE** code generators applications often used by web developers. **(3 marks)**

c) State and describe the **THREE** types of lists. **(6 marks)**

d) Give the syntax of inserting graphic to a web page. **(2 marks)**

e) Write an html code to generate the following table. **(5 marks)**

1	2	3
4	5	7

**SECTION B (Answer Any Two Questions)**

**Question Two (20 marks)**

a) Differentiate between container tags and empty tag. **(4 marks)**

b) Describe **THREE** attributes used to control the images with the browser window. **(6 marks)**

c) Differentiate between cell padding and cell spacing. **(4 marks)**

d) Define the term comment and state its significance when developing a webpage. **(3 marks)**

e) Differentiate between METHOD and ACTION. **(2 marks)**

f) Explain the functions of web browsers. **(1 mark)**

**Question Three (20 marks)**

a) Write a HTML code to generate the following frame layouts. **(20 marks)**

(i)

<b>Place your title or banner here</b>	
<b>Links</b> <u>About us</u>	Content goes here

<u>Contacts</u>	
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(ii)

Banner goes here		
<u>Home</u>	<u>About us</u>	<u>Contact</u>
Content goes here		

**Question Four (20 marks)**

Write a HTML code to:

Socio: Demographics Form-07-July-2008

Version of July 7<sup>th</sup> 2008

Registration Number of the client:

Date of Interview:

Gender of Client:  Male  Female

Country of Birth:

If Other Specify:

**Question Five (20 marks)**

- Give the syntax of inserting music onto a webpage. **(2 marks)**
- Describe **THREE** attributes that are used to customize the appearance of embedded media player. **(6 marks)**
- Using syntax, give the **TWO** different ways of inserting a video onto a webpage. **(4 marks)**
- Briefly explain the following web development tools. **(6 marks)**
  - HTML
  - Javascript

(iii) Java applets

e) Give **TWO** advantages of using frames compared to tables in web development. **(2 marks)**