



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

*Faculty of Engineering & Technology*

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY - DIT 10M

**ECS 2214: WEB DESIGNING II**

SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES: FEBRUARY/MARCH 2012**

**TIME: 2 HOURS**

## **Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **FOUR** printed pages

## SECTION A (COMPULSORY)

### Question 1 (30 marks)

a) Explain the following:

- i) Web browser
- ii) Web page
- iii) Web site
- iv) Uniform Resource Locator (URL)
- v) Web hosting

[10 Marks]

b) State the use of the following tags:

- i) <b>
- ii) <br>
- iii) <h1>
- iv) <title>
- v) <body>

[10 Marks]

c) Explain the term hyperlink

[2 Marks]

d) Write HTML code that would produce following links:

- i) Link to a sound file called abc.mp3
- ii) Link to [www.nationalaudio.com](http://www.nationalaudio.com)
- iii) Link to email address of [tom@yahoo.com](mailto:tom@yahoo.com)
- iv) Link to top of page

[8 Marks]

## SECTION B (ANSWER ANY TWO QUESTIONS)

### Question 2

a) Write HTML codes that will display the following on a webpage:

#### **FOOD RECOMMENDED FOR BALANCED DIET**

A balanced diet should contain:

- Proteins
- Carbohydrates
- Vitamins and Minerals

i) **A. Proteins**

Meat  
Beans  
Eggs

ii) **B. Carbohydrates**

Maize  
Rice  
Potatoes

iii) **C. Minerals & Vitamins**

Oranges  
Tomatoes  
Mangoes

[7 marks]

b) List HTML codes to display the following:

Sex:

Male

Female

[4 Marks]

c) Explain the use of the following attributes of <form> tag:

- i) Method
- ii) Action

[4 Marks]

### Question 3

a) Write HTML tags to display the following:

- i) A message in blue color, font size 10 and font Times New Roman
- ii) Graphic – flower.jpg

[2 Marks]

b) Write HTML tags to display marks of three students as shown below:

Mombasa Polytechnic University			
Student Number	Name	CAT	Exam
109/00029	Alice	23	40
109/00039	Joan	25	54
109/00049	Charo	22	61

[7 Marks]

c) Explain the following as applied to HTML table tag:

- i) Rowspan
- ii) Cellpadding
- iii) Cellspacing

[6 Marks]

### Question 4(20 marks)

a) Explain the terms as applied to HTML document 'Frameset'

[2 Marks]

b) Explain the following:

- i) Server-side script
- ii) Session Variables
- iii) Application Variables
- iv) State the three JavaScript popup windows

[3 Marks]

- v) Cascading Style Sheets
- vi) Script engine

[10 Marks]

- c) State the three JavaScript popup windows

[3 Marks]

**Question 5(20 marks)**

- a) Write html codes that will divide a web page into three windows, with each window displaying a separate as shown in the sketch below; with each window displaying a web page:



web site

[6 Marks]

[5

Marks]

- b) State any **six** factors to consider when designing a

- c) Explain what you understand by the statement 'HTTP is stateless'.

[4 Marks]