# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

# (A Constituent College of JKUAT)

(A Centre of Excellence)

# Faculty of Engineering & Technology

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

DIPLOMA IN INFORMATION TECHNOLOGY (DIT –EV)

**EIT 2203: WEB DESIGN & DEVELOPMENT**

END OF SEMESTER EXAMINATION
**SERIES:** DECEMBER 2012
**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 (COMPULSORY)** 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)** Illustrate the effect of the following HTML code;

Name:<input type="text"name="name"value="John"><b>
<input type ="checkbox"name="sub"value="htm">webpage <br>
<input type= "checkbox" name ="sub"value="cpp">objectoriented <br>
<input type="submit" value="send now1">
<input type = "Reset">                                                    **(4 marks)**

**b)** List **FOUR** reasons for using Java Script in HTML documents.    **(4 marks)**

**c)** Outline the structure of a HTML web page.                         **(4 marks)**

**d)** Define the following:
    **(i)**     CGI
    **(ii)**    Cascading Style Sheet (CSS)
    **(iii)**   Script Engine                              **(6 marks)**

**e)** Outline the use of mega tag.                                       **(2 marks)**

## Question Two

**a)** State the **THREE** most common types of HTML lists and the tags used to create them.
                                                                          **(6 marks)**
**b)** Using suitable examples, explain the use of the following HTML tags.
    **(i)**     <puc>
    **(ii)**    <del>
    **(iii)**   Ins
    **(iv)**   <blockquote>
    **(v)**    q
    **(vi)**   p                                  **(12 marks)**

**c)** State the code you can use to insert blank white space between text in HTML document.
                                                                          **(1 mark)**
**d)** List the attributes of <font>tag                                   **(1 mark)**

## Question Three

**a)** In a certain college all new students are required to enter their details online which are sent to the college's web browser for processing. The students are required to enter: Name, Admission Number, Course Code, Name of Next of Kin and also indicate if they want boarding facilities which is optional.

    **(i)**     Write HTML code which will display a form on browser to collect the data entered by student.
    **(ii)**    State the protocol that will be used to send data to the colleges web server. **(10 marks)**

**b)** With the aid of suitable examples, explain the use of the following tags.
    **(i)**     <abbr>
    **(ii)**    <acronym title>                         **(4 marks)**

c) List **TWO** image formats used on the internet. **(2 marks)**

d) By means of an example show how an image can be used as hyper link to [www.webnotes.html](www.webnotes.html).
**(2 marks)**

e) Explain the use of "marquee" tag **(2 marks)**

**Question Four**

a) Write HTML to display the following HTML nested list.
- Coffee
- Tea
  - Green tea
  - Black tea
- Milk
  o Hot
  o Cold
- Juice
  a. Orange
  b. Passion
  c. Mango **(10 marks)**

b) Rewrite the following to conform to XHTML standards:
   **(i)** &lt;B&gt; The Mombasa Polytechnic &lt;IB&gt;
   **(ii)** The Mombasa Polytechnic &lt;br&gt; University College
   **(iii)** &lt;u&gt; &lt;center&gt; (hq&gt; The Mombasa Polytechnic &lt;iu&gt; &lt;Kenter&gt; &lt;Ih1
   **(iv)** &lt;table border = 2&gt; **(4 marks)**

c) Explain the following:
   **(i)** Markup language
   **(ii)** XLM
   **(iii)** Empty element **(6 marks)**

**Question Five**

a) Explain how variable are declared in Javascript. **(2 marks)**

b) Implement HTML code that has 2 Javascript functions one to accept a mark from a user and another to process that mark and output are grade. The first function should be called when a user clicks a button on the web page.

c) Describe the life time of Java script variables. **(12 marks)**

d) Write HTML code to display the table below.

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**(4 marks)**