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 2213: WEB DESIGNING II

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER 2011

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 **THREE** printed pages

SECTION A (COMPULSORY)

QUESTION 1 (30 MARKS)

a) Describe any **SIX** JavaScript comparison operators   **[6 Marks]**

b) Rewrite the following JavaScript code using the conditional operator:

        If (x >= 20)

          {

                y = x + 50;

          }

        else

          {

                y = 100;

          }   [**2 Marks**]

c) Explain the scope and life time of variables in JavaScript   **[6 Marks]**

d) Describe the **three** types of JavaScript popup boxes   **[6 Marks]**

e) Describe the function of Java scripting language in web design   **[4 Marks]**

f) Describe any **three** differences between Java programming language and JavaScript. **[6 Marks]**

SECTION B (ANSWER ANY TWO QUESTIONS)

QUESTION TWO (15 Marks)

a) Write JavaScript code contain a function that will display message a "JavaScript is not Java."

   in a Window. The function is called when a user click on a button on the screen   **[7 Marks]**

b) Write HTML code that will display the following table in a browser:

DIT Marks Sheet			
Admission No	**Name**	**CAT**	**Exam**
2010/0001	Fatma Ali	24	56
2010/0002	Otino Owour	19	40
2010/0003	Chatherine Hamisi	22	54
2010/0004	Helen Otieono	19	30

c) Explain the term 'rowspan' **[2 Marks]**

QUESTION THREE (15 Marks)

a) List the **six** form objects that can be used to collect data from users **[6 Marks]**

b) State the **two** possible vales the method attribute of HTML form tag can take. **[2 Marks]**

c) State the characteristics of the two ways in which in which data from a web browser client can be sent by HTTP to web server **[6 Marks]**

d) Explain the term 'cellpading' as related to HTML tables **[1 Mark]**

QUESTION FOUR (15 Marks)

a) Explain 'HTTP Cookie', and describe how it functions **[4 Marks]**

b) Explain what you understand by the statement 'HTTP is stateless'. **[4 Marks]**

c) Write HTML code to display the following form. Also write server-side script that will save the data submitted with the form in a table called 'Users' which is contained in a database 'Persond.mdb'

<div align="center">Enter data and submit</div>

First Name:

Second Name:

Age:

Loig Name:

Password:

[Save Marks]   [Clear Data]

[7 Marks]

QUESTION FIVE (15 Marks)

a)   List any four advantages and two disadvantages of 'DHTML' **[7 Marks]**

b) List the technologies that make up 'DHTML' **[3 Marks]**

c) Explain 'frameset' and describe its use **[2 Marks]**

d) Write HTML code that will display 3 pages in frame as shown below: **[3 Marks]**

Frame 1	Frame2 (page 2)
(page1)	Frame 3 (page 3)