



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY (DIT 12S)

WEB DESIGN & DEVELOPMENT

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 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 terms:

- (i) Mark up language
- (ii) Attribute
- (iii) HTML element
- (iv) Empt element
- (v) Hyperlink
- (vi) Uniform Resource Locator (VRL)
- (vii) CGJ

(14 marks)

b) Explain the use of the following HTML tag:

- (i) <div>
- (ii) title
- (iii) h1>
- (iv) head
- (v) <body>

(5 marks)

c) State how a statement is inserted in HTML document

(1 mark)

Question Two

a) Write HTML codes that will display the following on a web page (Use HTML lists)

Learn Quick College

Courses Offered

A. Certificate Courses – Bold Font

- (I) CIT
- (II) CBS
- (III) CA

B. Diploma Courses – Bold Font

- 1. DIT
- 2. DICT

C. Higher Diploma – Bold Font

- a) HIT
- b) HICT
- c) HBM

(8 marks)

b) List HTML code to display the following:

Title

- Mr
- o Miss
- o M/S

(4 marks)

c) Write HTML codes to display names of four towns in a drop down box

(4 marks)

d) Write HTML Tags to display the following.

Scrolling text, with yellow background and whose width is 300 pixels

(4 marks)

Question Three

a) Define HTML code excerpt for the following table layout:

| Course code | Course Title | Contact Hours |
|---------------------|--------------|---------------|
| EIT 2100 | C++ | 70 |
| EIT 2101 | Java | 45 |
| EIT 2103 | Web Design | 45 |
| Total Contact hours | | 160 |

b) With aid of diagram, explain the following as applied to HTML table tag:

(i) Rowspan

(ii) Colspan

(iii) Cellspacing

(6 marks)

c) List differences between java programming and JavaScript

(4 marks)

Question Four

a) Explain the following:

(i) Server-side script

(ii) Client-side script

(iii) Cascading style sheets

(iv) Script engine

(8 marks)

b) Using suitable examples describe FIVE differences between HTML and XHTML

(10 marks)

c) Rewrite the following Java Script code using Java conditional operators:

If (Mark >= 40)

Grade = "pass";

else

grade = "fail"

(2 marks)

Question Five

a) Explain how variables are declared in Java Script

(4 marks)

b) Write HTML code containing a function that will accept user name and display it in a window. The function when a user clicks on a button.

(8 marks)

c) Define "Cookie"

(2 marks)

d) Describe any THREE practical uses of cookies

(6 marks)