



TECHNICAL UNIVERISTRY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT 14M – Y1 S2)

ECS 2203: WEB DEVELOPMENT

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2014

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 (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **FOUR** printed pages

Question One (Compulsory)

- a) Explain the use of the following:
- (i) Markup Language
 - (ii) HTTP
 - (iii) Web Browser
 - (iv) Web Server
 - (v) URL
- (10 marks)**
- b) Using a suitable example, explain the following:
- (i) Hyper link
 - (ii) Empty tag
- (6 marks)**
- c) Distinguish between radio button and check box as used on a form. **(2 marks)**
- d) Write HTML code to display any names of four subjects that you take in a pop-up list. **(2 marks)**

Question Two

- a) Distinguish between:
- (i) Ordered and unordered lists **(2 marks)**
 - (ii) Client side script and server side script **(2 marks)**
- b) State the use of the following Tags:
- (i) `
`
 - (ii) ``
 - (iii) `<pre>`
 - (iv) `<hr>`
 - (v) `<iframe>`
- (5 marks)**
- c) You want to display 5 blank space between 2 words on a browser. Explain how you will achieve thus. **(1 mark)**
- d) Describe any FOUR factors you will consider when designing a web site **(8 marks)**
- e) Write HTML tag to display text in colour blue, font face 'Times New Roman' size 14 **(2 marks)**

Question Three

- a) Write HTML Tags to link to:
- (i) Mombasa.ac.ke
 - (ii) Mail address 'Johowino@hotmail.com'
 - (iii) Open a file whose URL is "My Document.com/files/x.doc"
 - (iv) File 'HTML.Doc' store on local Drive (drive C:) in folder My Document. **(4 marks)**
- b) (i) Explain what is effect of `<Marquee>` tag **(1 mark)**
- (ii) List attributes of `<marquee>` tag **(2 marks)**

- c) (i) Distinguish between iframe and framset (2 marks)
- (ii) Write HTML code that will display three web documents heading.html, index.htm and content.htm on a single web page whose sketch is shown below.

Heading.html	
Index utml	Content.htmt

(3 marks)
(2 marks)

d) State where JavaScript code can be placed.

e) A HTML document contain the HTML tage:

```
<script type = "text/javascript"
src = "display.ss"
</script>
```

- (i) In which section of the document the tag will most likely appear.
(ii) The use the tag found in the document

(2 marks)

f) Write HTML code to display

- (i) An image centered between margin
(ii) A paragraph that ...aligned
(iii) World Health Organization when a user points the mouse on 'WHO' which is displayed on the screen.
(iv) Display an image as background for web pages
(v) List with square bullets

(4 marks)

Question Four

a) A company wishing to recruit people decides to use Internet. People wishing to apply would be required to apply on line. You are required to write HTML code to display a form that applicant will have fill and submit. The firm wishes to collect the following information.

Applicants name, gender, date of birth, highest qualification, place of previous work, password. The firm uses radio buttons for gender. You are required to write HTML for the form.

(10 marks)

b) Describe three types of Java Script popup boxes stating their use.

(6 marks)

c) Re write the following HTML tags as per XHTML standards:

- (i) A new line is inserted by

(ii) <table width = 100%>
(iii) The text will be bold
(iv) <h2><u><center> The HTML page
</h2> </u> </center>

(4 marks)

Question Five

a) Explain any FOUR reasons why you would use JavaScript when implementing website.

(8 marks)

b) Write HTML code to display the following table layout:

(6 marks)

Unit Code	Unit Title	Contact Hours
EIT 2100	C++	70
EIT 2101	Java	80
Total Contact Hours		

- c) Implement a web document that displays a button. When a user clicks on the button a function as activated that displays current date. **(4 marks)**
- d) Explain use of CGI **(2 marks)**