



**TECHNICAL UNIVERSITY**

**OF MOMBASA**

**INSTITUTE OF COMPUTING AND INFORMATICS**

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION**

**TECHNOLOGY**

**UNIVERSITY EXAMINATION FOR:**

**DIPLOMA IN ICT**

**EIT 2303: WEB DESIGN**

**END OF SEMESTER EXAMINATION**

**SERIES:** Select series 2016

**TIME:** 2 HOURS

**DATE:** Pick Date Select Month Pick Year

**Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of Choose No questions. Attempt any THREE questions.

**Do not write on the question paper.**

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**Question 1 (20 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) Explain the term hyperlink **[2 Marks]**
- c) Write HTML code that would produce following links:
- i. Link to a sound file called abc.mp3
  - ii. Link to [nationalaudio.com](http://nationalaudio.com)
  - iii. Link to email address of [tom@yahoo.com](mailto:tom@yahoo.com)

iv. Link to top of page [8 Marks]

**Question 2 (20 Marks)**

a) State the use of the following tags:

- i) <b>
  - ii) <br>
  - iii) <h1>
  - iv) <title>
  - v) <body>
- [5 Marks]

b) Explain any three advantages of CSS [6 Marks]

c) List HTML codes to display the following:

**Sex:**

- Male
  - Female
- [3 Marks]

d) Write HTML code to display names of four subjects in a combo box [4 Marks]

e) Using a suitable example explain, the meaning of 'Selector' as applied in CSS [2 Marks]

**Question 3 (20 Marks)**

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

- i) Method
  - ii) Action
- [4 Marks]

b) Explain the following

- i) Attributes
  - ii) HTML element
  - iii) XHTML
- [6 marks]

c) 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

[4 Marks]

- d) Explain what is meant by CGI [2 Marks]
- e) With aid of suitable examples explain the following concepts:
- i) css
  - ii) Empty element [4 Marks]

**Question 4 (20 Marks)**

- a) Explain the following as applied to HTML table tag:
- i) Rowspan
  - ii) Cellpadding
  - iii) Cellspacing [6 Marks]
- b) Explain the terms as applied to HTML documents:
- i) Frameset
  - ii) Iframe [4 Marks]
- c) Explain the use of the following frameset attributes:
- i) Scrolling
  - ii) Border
  - iii) Resize
  - iv) Marginwidth
  - v) Marginheight [5 Marks]
- d) State the effects of the following tags:
- i) `<INPUT type= "checkbox" name= "foodchoice" value="pizza">`
  - ii) `<INPUT type = "submit" value = "Send Now!">` [2 Marks]
- e) List any three uses of Java script in HTML documents [3 marks]

**Question 5 (20 Marks)**

- a) State where Java Script functions can be placed in Web page [4 Marks]
- b) State any six factors to consider when designing a web site [6 Marks]
- c) List differences between Java programming language and Java script [4 Marks]
- d) Write HTML code containing Java function that will accept two numbers from users and display their average when a user clicks on a button [6 Marks]