



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.

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
 - iii. Link to email address of tom@yahoo.com

iv. Link to top of page [8 Marks]

Question 2 (20 Marks)

a) State the use of the following tags:

- i)
 - ii)

 - 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]