



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2017/2018 ACADEMIC YEAR  
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF SCIENCE AND INFORMATION SCIENCES  
UNIVERSITY EXAMINATIONS FOR THE  
DEGREE OF BACHELOR OF SCIENCE  
(COMPUTER SCIENCE)**

**COURSE CODE: COM 1207  
COURSE TITLE: INTERNET FUNDAMENTALS**

**DATE: 26<sup>TH</sup> APRIL, 2018**

**TIME: 0830 - 1030HRS**

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## **INSTRUCTIONS**

Answer Question ONE and any other TWO

## **SECTION A**

### **QUESTION ONE (COMPULSORY 30 MARKS)**

- (a) Explain the difference between HTML and XHTML if any. **(4 marks)**
- (b) Explain what you understand by the “internet”. **(2 marks)**
- (c) Describe a web page. **(3 marks)**
- (d) Given the URL <http://www.deitel.com/books/downloads.html>, explain three main parts/components of this URL. **(6 marks)**
- (e) Explain what you understand by the World Wide Web consortium (W3C) and outline at least one of its primary goals. **(4 marks)**
- (f) The following appears in the body of an HTML document. Explain what it’s meant to do and give the output you would expect when rendered using a browser. **(5 marks)**

`<BODY>`

`<H1> Maasai Mara University </H1>`

`<H2> Maasai Mara University </H2>`

`<H3> Maasai Mara University </H3>`

`<H4> Maasai Mara University </H4>`

`<H5> Maasai Mara University </H5>`

`</BODY>`

- (g) Explain the functions of the following tags and give the corresponding end tags for each. `<HTML>`,`<HEAD>`,`<TITLE>`. **(6 marks)**

## **SECTION B**

### **QUESTION TWO**

(a) The following is a HTML5 document. Explain the lines 1, 2 and 5.

**(6 marks)**

```
1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4. <meta charset="utf-8">
5. <title>My First HTML5 Page</title>
6. <link rel="stylesheet" href="style.css">
7. </head>
8. <body>
9. <p>HTML5 is fun!</p>
10. </body>
11. </html>
```

(b) Both the head and title elements can be referred to as nested elements.

Explain why.

**(4 marks)**

(c) In developing your website, you realize that you need to link your visitors to the following three sites(*uonbi.ac.ke*, *ku.ac.ke* and *jkuat.ac.ke*), for university of Nairobi, Kenyatta university and Jomo Kenyatta University of agriculture and technology respectively, write the section of your code using HTML 5 which will redirect them as required. Your code should also have the introductory part with the message “*for more information on each institution, click the name of the university*”. Use comments where necessary. **(10 marks)**

### **QUESTION THREE**

(a) Write an HTML code that would display the following.

**(10 Marks)**

**File Name:**

**Last Name:**

SUBMIT

(b) You have won a tender to develop a new website for Maasai Mara University, Explain any five rules you will expect your team to follow so as to come up with an irresistible site.

**(10 marks)**

## QUESTION FOUR

(a) Write a HTML code to give the following output.

(20 marks)

The screenshot shows a web browser window with the following content:

- Browser tabs: "Inbox (803) - jope@adjunct.us...", "Format of Exams - ope@mm...", "Google", and "College Registration Form".
- Address bar: "file:///C:/Users/jope/AppData/Local/Temp/Rar\$EX01.094/ch03solutions/Ex3.6.ht...".
- Page title: "College Registration Form".
- Text: "Please complete the following form to register for our College".
- Form fields:
  - First Name:  (First name)
  - Last Name:  (Last name)
  - Telephone Number:  (telephone)
  - Email:  (name@domain.com)
- Text: "► Please fill out our optional survey:"
- Buttons: "Submit" and "Clear".

The Windows taskbar at the bottom shows icons for Windows, Edge, File Explorer, Chrome, Word, and a game controller. The system tray on the right shows the time as 7:47 AM on 3/22/2018.

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