



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF SCIENCE AND INFORMATION
SCIENCES**

**UNIVERSITY EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE
(INFORMATION SCIENCE)**

COURSE CODE: INS 3103

COURSE TITLE: WEB DESIGN

DATE: 5TH DECEMBER, 2019 TIME: 1100AM - 1300 P.M
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@m...", "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 folder. The system tray on the right shows the time as 7:47 AM on 3/22/2018.