



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

UNIVERSITY EXAMINATION 2012/2013

**1ST YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IT SECURITY FORENSIC AND AUDIT**

(REGULAR)

COURSE CODE: IIT 3114

COURSE TITLE: HTML PROGRAMMING AND INTERNET TOOLS.

DATE: 25/4/2013

TIME: 14.00-16.00PM

DURATION: 3 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

QUESTION 1: 30

- a) What is a web browser? Give two examples of a web browser. 4 marks
- b) Explain why CSS is currently a major component (requirement) in a website design as opposed to plain html? 2 marks
- c) Describe different sections of HTML document 4marks
- d) With use of a syntax explain a group box labels 4marks
- e) Using appropriate syntaxes explain the following types of lists used in HTML
- i. Ordered List
 - ii. Unordered list
 - iii. Definition List (DL) 6marks
- f) What is MIME and SMTP in email communication 4marks
- g) Each Computer has a unique IP address, Convert the following 32-bit Internet address into dotted decimal format equivalent
01011110000101001100001111011100 4marks
- h) What is unpaired tag 2 marks

Question2: 20marks.

- a) Draw a diagram and describe the seven layers used by the (TCP/IP OSI MODEL) Open Systems Interconnection Model proposed by ISO (International Standardization Organization) in details. (14 marks)
- b) explain any four data types in JavaScript (4 marks)
- c) What is the use of TCP/IP on the internet? (2 marks)

Question3:20marks

- a) What is the difference between GET and POST in web data transmission? 4 marks
- b) Give a general syntax of a CSS document 2marks
- c) Write any three advantages of using CSS 4marks
- d) Write an html code using group label to give an output shown below 4marks



- e) Explain the following terms as used in dynamic event model 4marks
- i. Event onclick
 - ii. Event onload
 - iii. Rollovers with onmouseover and onmouseout.
 - iv. Tracking the Mouse with event onmousemove

Question4:20marks

- a) Explain FOUR distinctions between Java and JavaScript 4marks
- b) What is ActiveX and why is it necessary in web technology? 4marks
- c) Using example Java Script code, explain the following Java Script pop-up boxes:
- i. Confirm() 2marks
 - ii. Prompt() 2marks
- d) What is Data Binding and why is it necessary in web technology? 4 marks
- e) Describe any four table attributes used in creating tables 4marks

Question 5: 20marks

- a) Identify and Explain the part of the following URL as used in web development 2 marks

http://www.nationmedia.ac.ke

- b) Write an html code to create an hyperlink in HTML 2marks
c) Differentiate between Selection list and drop-down list as used in form design 4marks

- d) Discuss the advantages of using frames over tables for organization of the web pages 4marks

- e) Give the output of the following code sections 4 marks

```
<html>
```

```
<head>
```

```
<title>My favourite check boxes</title>
```

```
</head>
```

```
<body><input type="checkbox" name="food1" value="hotdogs" checked>hotdogs are my  
favorite food<br>
```

```
<input type="checkbox" name="food2" value="hamburgers"> I like hamburgers<br>
```

```
<input type="checkbox" name="food3" value="steak" checked>steak is tasty<br>
```

```
<input type="checkbox" name="food4" value="beans"> beans are for veggie-lovers<br>
```

```
</body>
```

```
</html>
```

- f) Write an html code to create the following tables as an output 4marks

EXAM S TIME TABLE



Jaramogi Oginga Odinga university Science and Technology exams calendar

Time	Paper	Invigilator
9.30-11.30 a.m.	IIT 3112	Dr Raburu
2.30-3.30 p.m.	IIT 3114	Mr Olala
6.00- 8.00 p.m.	IIT 3113	Prof Rabah
Quality time pays in the long run		