



# **MURANGA UNIVERSITY COLLEGE**

(A constituent College of Jomo Kenyatta University of Agriculture & Technology)

**MAIN CAMPUS**

**ORDINARY UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**THIRD YEAR FIRST SUPPLEMENTARY EXAMINATIONS**

**FOR THE DEGREE  
OF  
BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

**COURSE CODE: HBT2302**

**COURSE TITLE: APPLICATION PROGRAMMING FOR INTERNET**

**DATE: 28<sup>TH</sup> JUNE, 2015**

**TIME: Two Hours**

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## **INSTRUCTIONS TO CANDIDATES**

Answer Question ONE (1) and **any** other TWO Questions

MRUC observes ZERO tolerance to examination irregularities

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**Question One**

- ai) Differentiate the logical from the physical tags in HTML. [ 4 marks]
- ii) Explain with the correct syntax the two main HTML list tags. [6 marks]
- b) Write a program section showing how a JavaScript can be inserted in the body of a HTML document. [6 marks]
- c) Outline four text formatting tags in HTML. [4 marks]
- d) Explain with an example the use of event handlers in JavaScript. 6 marks
- e) Study the two sets of XML codes (A and B) below.

**Code A**

```
<?xml version="1.0"?>
<note>
<to>Tove</to>
<from>Jani</from>
<heading>Reminder</heading>
<body>Don't forget me this weekend!</body>
</note>
```

**Code B**

```
<?xml version="1.0"?>
<note>
<to age=29>Tove</to>
<from>Jani</from>
</note>
```

Re-write the code(s) which is not well formed if any. [ 4 marks]

**Question Two**

- ai) Define a cascading style sheet. [ 2 marks]

- ii) Differentiate by use of a program section in each case the three options of including cascading style sheets on a HTML document. 9 marks
- b) Using the correct syntax, describe the different DTDs (doctype declarations) found in an HTML document. [ 9 marks]

### **Question Three**

- a) Describe the mostly used common internet protocol to communicate across the Internet. [ 8 marks]
- b) Describe importance of using XML over HTML. [6 marks]
- c) By writing the correct syntax, differentiate the Radio Buttons from Checkboxes found in the form element of a HTML. [6 marks]

### **Question Four**

- a) Describe the commonly used types of web servers today. [8 marks]
- b) Describe factors to be considered when choosing an Internet Service Provider. [ 8 marks]
- c) Describe the main objects used in JavaScript. [ 6 marks]