

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

 **YEAR III SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY**

**BBT 2101: APPLICATION PROGRAMMING FOR INTERNETS**

**DATE:AUGUST 2015 TIME: 2 HOURS:**

**INSTRUCTIONS: Answer question one and any other two questions.**

**QUESTION ONE (30 MARKS)**

**a.** Explain the following web application concepts. (6 marks)

 i. Internet

 ii. WORLD WIDE WEB

 iii. Browser.

b. Identify five challenges faced by the society as a result of internet connectivity.

 (5 marks)

c. Differentiate between the following terms. (6 marks)

 i. Client side scripting and server side scripting.

 ii. UDP and TCP.

 iii. IP address and domain name.

d. Name two graphic formats used in WWW. (2 marks)

e. Write HTML code to create the following list. (6 marks)

 GOVERNMENT UNITS IN KENYA

 WARDS

 CONSTITUNCIES

 COUNTIES.

 i. NAKURU

 ii. NAIROBI

 iii. BARINGO

 iv. KERICHO.

f. Outline five advantages of using a browser. (5 marks)

**QUESTION TWO (20 MARKS)**

a. Explain the following

 i. <01>-

 ii. <u1>

 iii. <li>

 iv <di>

 v. <dt>

 vi. <dd> (8 marks)

b. Explain how to create the following with regard to frames. (12 marks)

 i. Creating a frame layout

 ii. Controlling frame appearance

 iii. Creating frame boarders

**QUESTION THREE (20 MARKS)**

a. Explain the following (5 marks)

 i. <HTML><|HTML>

 ii. <HEAD> <|HEAD)

 iii. <TITLE> <|TITLE>

 iv. <BODY> <|BODY>

 v. <TABLE> <|TABLE>

b. Write a html program with a title “internet application” and that displays “my first program”. The background should be blue, the font color red. (5 marks)

c. Write the code for creating the following (10 marks)

 i. Gender: male female.

 ii. Password

 iii. Vehicle : Bike

 Cor

 iv Select an option Option 1

 v. Submit clear.

**QUESTION FOUR (20 MARKS)**

a. Describe the following term

 i. CGL (4 marks)

 ii. Java Scripts (4 marks)

b. Define a web socket. (2 marks)

c. Discuss current trends in application development. (10 marks)

**QUESTION FIVE (20 MARKS)**

a. Explain the following terms.

 i. WWW

 ii. Web

 iii. URL

 iv. Hypertext links.

b. Explain the code below and indicate its output. (4 marks)

 <!DOCTYPE html>

 <html>

 <body>

 <hl> javascript statements </h1>

 <p> statements are separated by semicolons. </p>

 <p> the variables x, y and z are assigned the value 5,6 and 11:<|p)

 <pid=”demo”><|p>

 <script >

 var x=5;

 var y=6;

 var z=z+y;

 document get Element By |d (“demo”). Inner HTML =Z;

 </script>

 <|body>

 <html>

c. Explain internet based services available to internet users. (8 marks)