KABARAK   UNIVERSITY

UNIVERSITY EXAMINATIONS
2010/2011 ACADEMIC YEAR
FOR THE DEGREE OF BACHELOR OF COMPUTER SCIENCE

COURSE CODE: COMP 463

COURSE TITLE: CLIENT/SERVER PROGRAMMING

STREAM: Y4S1

DAY: THURSDAY

TIME: 2.00 – 4.00 P.M.

DATE: 09/12/2010

INSTRUCTIONS:

➢ **Answer question ONE Compulsory and any other TWO.**

PLEASE TURNOVER

QUESTION ONE: (30 marks)

a) Describe data processing over CGI **[4 marks]**

(b) Write a java script program to add two numbers using functions **[5 marks]**

(c) Describe XML architecture **[5 marks]**

(d) Write XML code to create the contents of the table and finally write the HTML code to be linked to xml code so that to enable the file to be displayed in table format. **[8 marks]**

SERIAL	TOWN	CODE
001	Newyork	56787
002	New Delhi	57890
003	java	767890
004	Nairobi	34560
005	Kampala	123890

e) Write Html code to create a form having following contents Name, Address, City, State, Zip ,and finally write java script code to validate the form.

[8 marks]

QUESTION TWO (20 marks)

(a) Using a suitable Diagram describe applet life cycle stating the method used in each stage **[6marks]**

(b) Using a suitable example describe external style sheet **[4marks]**

(c) Study carefully the following PHP code and write it to be executable

```
<html>
<body>
<php
function writeMy ()
 {
  echo "kabarak";
 }
echo "Hello world!<br />";
echo "My name is ";
writeMyName;
echo ".<br />university, ";
writeMyName();
echo " is my name.";
</body>
</html>
```

[4 marks]

(d) Describe factors you will consider when developing commercial web site.

[4 marks]

(e) Explain the uses of java script in a web page **[2marks]**

QUESTION THREE (20 marks)

(a) *Discuss how Applets differ from other applications* . **[4 marks]**

(b) Describe the benefits of using java servlet compared to CGI technology

[4 marks]

(c) Write java script code to open the window using event handling **[2 marks]**

(d) Write applet program to add two numbers entered through by the user and display the result **[7 marks]**

e) Describe how PHP is a Loosely Typed Language **[3 marks]**

QUESTION FOUR (20 marks)

(a) Write a simple application demonstrate how the form can be connected with MYSQL Database **[8 marks]**

(b) Write the rules for writing a well formatted xml document **[4 marks]**

(c) Describe the use of the following operators in Java Script
(1) New
(2) Delete
(3) This

[3Marks]

(d) Write the code to create the following frame **[5 marks]**