

KABARAK



UNIVERSITY

**UNIVERSITY EXAMINATIONS
2009/2010 ACADEMIC YEAR
FOR THE DEGREE OF BACHELOR OF SCIENCE IN
COMPUTER SCIENCE**

COURSE CODE: COMP 463

COURSE TITLE: CLIENT/ SERVER SIDE PROGRAMMING

STREAM: Y4S1

DAY: WEDNESDAY

TIME: 9.00 – 11.00 A.M.

DATE: 02/12/2009

INSTRUCTIONS:

Attempt **Question ONE** and **Any other TWO**.

PLEASE TURN OVER

QUESTION ONE: (30 marks)

- (a) 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. [8marks]
- (b) Write a program to demonstrate how PHP code is incorporated in HTML program. [4marks]
- (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	STATUS	NAME
001	Machakos	56787	Single	John
002	Wajir	57890	Single	Mark
003	Kilifi	767890	Single	Mathew
004	Kakamega	34560	Single	James
005	Kisimu	123890	Single	Shallon

- (e) (i) What is CGI ? [2 Marks]
- (ii) Describe advantages of using Servlets over using CGI [3 marks]

QUESTION TWO (20 marks)

- (a) Using a suitable Diagram Discuss applet life cycle [6marks]
- (b) What is URL? Describe its structure [4marks]
- (c) Write applet program to compare three numbers and display the largest value on the applet viewer [4 marks]
- (d) Describe the following functions as used in java script [2 marks]
 - 1) Parseint()
 - 2) Parsefloat()
- (e) Discuss event handling in java script [4marks]

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 close 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) Discuss XML system [3 marks]

QUESTION FOUR (20 marks)

- (a) Write html code to execute the following table [7 marks]

DAY	8:00-10:00	10:00-12:00	12:00-2:00	2:00-4:00
MON	COMP216	Comp123	COMP120	COMP224
TUE	COMP222	COMP112	COMP200	
WED		COMP120		COMP130
THUR	COMP209	COM208	LAB	seminar
FRI	SEMINAR	PROJECT		

- (b) Explain the advantages of using java script on web page [4 marks]
- (c) What is identifier, what are the rules used to create identifier [4 marks]
- (d) Write the code to create the following frame [5 marks]

QUESTION FIVE (20 marks)

- (a) Write the rules for writing a well formatted xml document [5 marks]
- (b) Write a simple application demonstrate how the form can be connected with MYSQL Database [8 marks]
- (c) Write a program to demonstrate how java script is incorporated in HTML program [4 marks]
- (d) State and explain any primitive data types used in java script programs [3 marks]