

KABARAK



UNIVERSITY

UNIVERSITY EXAMINATIONS

2008/2009 ACADEMIC YEAR

FOR THE DEGREE OF BACHELOR OF SCIENCE IN

COMPUTER SCIENCE

COURSE CODE: COMP 463

COURSE TITLE: CLIENT/ SERVER SID PROGRAMMING

STREAM: Y4S2

DAY: WEDNESDAY

TIME: 2.00 – 4.00 P.M.

DATE: 05/08/2009

INSTRUCTIONS:

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

PLEASE TURN OVER

QUESTION ONE: (30 marks)

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

- (b) Write a program to demonstrate how PHP code is incorporated in HTML program. [4marks]

- (c) Using a suitable diagram discuss 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]

001	Nakuru	66666666	single	john
002	Nairobi	55555555	single	mark
003	Mombasa	77777777	single	mathew
004	Kisumu	22222222	single	peter
005	Narok	11111111	single	paul

- 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. [8marks]

QUESTION TWO (20 marks)

- (a) Write the rules for writing a well formatted xml document [5 marks]

- (b) STATE AND Discuss any primitive data types used in java script programs [3 marks]

- (c) Write a program to demonstrate how java script is incorporated in HTML program [4 marks]

- (d) Write a simple application demonstrate how the form can be connected with mysql Database [8 marks]

QUESTION THREE (20 marks)

- (a) Using a suitable diagram discuss applet life cycle [6marks]

- (b) Differentiate between hypertext and hyper media [2marks]

- (c) Using a suitable program, demonstrate how applet program created and linked to HTML code [4 marks]
- (d) Discuss advantages of using a function in java script [4 marks]
- (e) Discuss event handling in java script [4marks]

QUESTION FOUR (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) Discuss any two methods used in the window object [2 marks]
- (d) Write applet program to add two numbers entered through by the user and display the result [10 marks]

QUESTION FIVE (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	COMP222
TUE	COMP222	COMP112	COMP200	COMP214
WED		COMP120		COMP130
THUR	COMP209	COM208	LAB	seminar
FRI	SEMINAR	COMP111	COMP112	FREE HOUR

- (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]

