

KABARAK



UNIVERSITY

EXAMINATIONS

2008/2009 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: MONDAY

TIME: 2.00 – 4.00 P.M.

DATE: 23/03/2009

INSTRUCTIONS:

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

PLEASE TURN OVER

QUESTION ONE: (30 marks)

- (a) What is CGI? Describe advantages of using servlets over using CGI [4marks]
- (b) Write a program to demonstrate how PHP code is incorporated in HTML program. [4marks]
- (c) Discuss any four internet protocols used in client server technology [4 marks]
- (d) Write html code to execute the following table [6 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

- (e) Describe the two methods used by CGI [4 marks]
- (f) Write code to execute the following html form controls

APPLICATION FOR ADMISSION

NAME

ADDRESS

GENDER MALE FEMALE

COURSE BA MSC MBA

COMMENTS

[8marks]

QUESTION TWO (20 marks)

- (a) What is variable in java script? [2 marks]
- (b) Discuss the use of this () and new () operations in java script [2 marks]
- (c) State and Discuss any primitive data types used in java script programs [4 marks]
- (d) Write a program to demonstrate how java script is incorporated in HTML program [4 marks]
- (e) Write a simple application demonstrate how the form can be connected with mysql Database [8 marks]

QUESTION THREE (20 marks)

- (a) Discuss applet life cycle [6marks]
- (b) Differentiate between hypertext and hyper media [4marks]
- (c) What is identifier, what are the rules used to create identifier [4 marks]
- (d) Describe with example the structure of a function in java script [4 marks]
- (e) Discuss event handling in java script [2marks]

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 a java script program to perform validation for the name, age and email information when submitted by the user [8 marks]
- (b) Explain the advantages of using java script on web page [4 marks]
- (c) Explain the meaning of the following as used in the input element
- (i) Name [1 mark]
 - (ii) Type [1 mark]
 - (iii) Value [1 mark]
 - (iv) max Length [1 mark]
- (d) What is event? [2 marks]
- (e) State any 4 types of events and explain their event handle [2 marks]