



# MASENO UNIVERSITY

## UNIVERSITY EXAMINATIONS 2012/2013

### SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE (MAIN CAMPUS)

#### CCS 211: APPLICATION DEVELOPMENT FOR THE INTERNET

*Date: 22<sup>nd</sup> July, 2013*

*Time: 8.30 – 10.30 a.m.*

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#### INSTRUCTIONS

- ◆ Answer Question ONE and any other TWO questions.
- ◆ MOBILE PHONES are STRICTLY FORBIDDEN in this exam.
- ◆ Make sure your numbering is the same as it appears in the question paper.

### QUESTION 1:

- a) Write a code to demonstrate concatenation of strings using php (2 marks)
- b) Define a link tag. List its 3 attributes and explain the working of each attribute.(4 mark)
- c) List 2 scripting languages (2 marks)
- d) Write the code to redirect to another page using javascript (2 marks)
- e) What is the work of the function mysql\_connect() ?list the parameters taken by this function? (2 marks)
- f) Differentiate between a session and a cookie (1 marks)
- g) What are the 3 functions used to retrieve query results(3 marks)
- h) Mention the 3 ways used to insert CSS file into a PHP file(3 marks)
- i) Upon an onload event,require a javascript file to display an alert .(2 marks)
- j) What is the work of the function addslashes()? (1 mark)
- k) What are the main components of N-Tier programming?(3 marks)
- l) Show how to use user defined functions in php to insert data into a mysql table(3 marks)
- m) Differentiate between post and get methods(2 marks)

### QUESTION 2:

- a) Write a program to select all the data in a mysql table through php(8 marks)
- b) Write a program to show how these functions work(6 marks)
  - i. mysql\_affected\_rows()
  - ii. mysql\_query()
  - iii. mysql\_pconnect()
- c) Show how these are done in php.(6 marks)
  - i. reading a cookie
  - ii. setting a persistent cookie
  - iii. deleting a cookie

### QUESTION 3:

- a) Write a program to run a library management system (20 marks)

### QUESTION 4:

- a) What are the 3 principles of object oriented programming? Show how each of these is achieved using PHP (12 marks)
- b) Using constructors, write a program to display student information (8 marks)

## QUESTION 5

- a.) Show how overriding can be achieved in php (6 marks)
- b.) Create a feedback form that accepts a user's full name and an email address. Use case conversion functions to capitalize the first letter of each name the user submits and print the result back to the browser.(6 marks)
- c.) Create an array of mixed data types. Custom sort the array by data type. (8 marks)