



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY

(DICT 10A/DICT 11M/DIT 11M/ DIT 2K 11M)

EIT 2206: INTERNET PROGRAMMING

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages

Question One (Compulsory)

- a) Define the following terms:
- (i) Internet programming (2 marks)
 - (ii) Hyper Text Transfer Protocol (HTTP) (2 marks)
 - (iii) Server-side Script (2 marks)
- b) Give **THREE** characteristics of Hyper Text Transfer Protocol (HTTP) in web programming. (6 marks)
- c) Give **TWO** examples of invalid variable in Java Script. (2 marks)
- d) Write a Java script code to differentiate between a single line and multiple line comment. (4 marks)
- e) Draw a diagram to illustrate internet programming architecture. (4 marks)
- f) What are the difference between JavaScript and PHP? (3 marks)
- g) Show how to include java-script document into HTML document. (1 mark)
- h) Give **FOUR** reasons why JavaScript is used in Internet Programming. (4 marks)

Question Two

- a) Write a sample code to illustrate a PHP script embedded in HTML document. (6 marks)
- b) List down **THREE** web programming tools. (3 marks)
- c) Write a simple JavaScript program with the following outputs. (6 marks)
- This is my output
Welcome to MPUC

Question Three

Write a simple JavaScript to validate an HTML form of **THREE** data fields. (12 marks)

Is Java script the same as Java? Explain. (3 marks)

Question Four

Highlight the difference and similarities between the Traditional Programming and Internet Programming (7 marks)

Show how to connect to Mysql database with PHP, given the following information. (8 marks)

Server: Local host

Username: Admin

Password: 1234

Database Name MPUC

Question Five

What is the output of the following code? (4 marks)

```
<script type =“text/javascript”>
var x = 5;
var y = 3;
y+ = x;
x + = y;
```

```
document write (“the Value of x is ,”x);
document write (“the value of y is, y);
</script>
```

Give **THREE** functions of web browsers in internet programming. **(3 marks)**

Show how to insert data in mysql table using PHP code given the following information **(8 marks)**

Server: Local host
Username: Admin
Password: 1234
Database name: MPUC
Table name: STUDENTS

ST_ID	LNAME	FNAME	Level
1	Kazungu	Charo	Diploma