



**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