

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2016/2017**

EXAMINATION FOR THE DIPLOMA OF IN INFORMATION TECHNOLOGY

**DIT 0503: WEB DEVELOPMENT II**

**DATE: APRIL, 2017 TIME:1 ½ HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY**

 **OTHER TWO QUESTIONS**

 **QUESTION ONE:**

a. State and explain the three ways of representing CSS. (6 marks)

b. Using the code snippet below, differentiate the following. (6 marks)

|  |
| --- |
| <p title= “first paragraph”> this is a paragraph <|p> |

 i. Attribute

ii. Element

iii. Tag

c. State the different between the 9ET and POST HTTP request methods. (2 marks)

d. State six features of javascript language. (6 marks)

e. Write the HTML code to create the table below. (10 marks)

|  |
| --- |
| TIME TABLE |
|   | MON | TUE | WED | THUR | FRI |
|  | Science  | Maths | Science  | Maths | Art |
| HOURS | CRE | History | English  | CPR | P.E |
|  |  |  BREAK |  |  |  |
|  | Science | Maths | Science | Maths | Project |
|  | CRE | History | English | CRE |  |

**QUESTION TWO:**

a. Use a code snippet to distinguish between single-line and multiple line comments as used in Javascript. (6 marks)

b. Locate the error in each of the following program segments as an explain how to correct it:- (6 marks)

i. method g( )

 {

 Document writeln ( “Inside method g”);

 }

ii. // This function should return the Gum of its arguments.

function sum $(x$1$ y)$

 {

 Var result;

 result = $\left(x+y\right)$ ; }

c. State the SQL keyword that specifies the order in which rows are sorted. (2 marks)

d. Write SQL queries for the books database in a JKUAT Library System that perform the following tasks:- (6 marks)

i. Select all authors from the authors table with columns in the order last Name, first Name and author ID

ii. Add a new author to the author table.

**QUESTION THREE:**

a. Define the following:- (8 marks)

 i. Function

 ii. Array

iii Keyword

iv. Identifier

b. Identify the errors in the code below:- (6 marks)

 <htm/>

 <head>

 <title> javascript program <title>

 <script type = “text|javascript”>

 Document . WRIteIn ( “ Welcome “)

 <script>

 <|head>

 <body> <|body>

c. State six uses of SQL. (6 marks)

**QUESTION FOUR:**

a. Write in full:- (10 marks)

 i. SQL

 ii. HTML

 iii. CSS

 iv. PHP

 v. FTP

b. Write a code to create a database connection where the :- (5 marks)

 i. Username = User

 ii. Severname = Localhost

 iii. Password = Password

c. Using the above information, create a database called Exams. (5 marks)