



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN LINUX ENGINEERING
1st YEAR 1st SEMESTER 2018/2019 ACADEMIC YEAR
KSUMU CAMPUS

COURSE CODE: ICT 2115

COURSE TITLE: INTRODUCTION TO WEB PROGRAMMING

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 (Compulsory) and ANY other two questions**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE [30MARKS]

1. What are the three main elements are contained on any website footer (3 marks)
2. Name any three properties of an HTML form (3 marks)
3. Define the term Website (3 marks)
4. With reference to website design, what is a protocol? (2 marks)
5. Illustrate 4 main types of website protocols and their functions (4 marks)
6. State two types of web editing/development tool you know (2 marks)
7. Create the following table HTML table (5 marks)

Name	Age
Kim	12
Makoet	11

8. Discuss what beneficial services a company can get from websites (5 marks)
9. Giving an example define MIME type in web development (3 marks)

QUESTION TWO [20 MARKS]

- a) Using basic HTML, illustrate how you can create a link to page contacts.html from home.html using the link labeled CONTACTS PAGE from the home page in this case, home.html. (10 marks)
- b) Using the same concept, create an ordered list for the following items (mangoes, bulb-onions, ginger, spaghetti, Cucumber, Rice) NB: Full HTML code is not necessary (10 marks)

QUESTION THREE [20 MARKS]

- a) Explain two main **types of websites** in today's society. (2 marks)
- b) What are the 4 types of hyperlinks in HTML? (2 marks)
- c) Give and explain three main parts of a website. (6 marks)
- d) Write HTML code for the Form below (10 Marks)

This is a blank area within a form for visitor data input.

Firstname

Lastname

QUESTION FOUR [20 MARKS]

- a. Illustrate how to do the following using HTML (10 Marks)
 - a) Inserting Page Title
 - b) Changing Background color
 - c) Centering a text
 - d) Using a header text
 - e) Using font 15

b. Briefly explain use Frames in HTML and limitations of using Frames (10 Marks)

QUESTION FIVE [20 MARKS]

a) Using a diagram draw the expected output from the code below. (10 Marks)

```
<!DOCTYPE html>
<html>
<head>
<title>HTML div Tag</title> </head>
<body>
<!-- First group of tags -->
<div style = "color:red">
<h4>This is first group</h4>
<p>Following is a list of vegetables</p>
<ul> <li>Beetroot</li>
<li>Ginger</li>
<li>Potato</li>
<li>Radish</li>
</ul>
</div>
<!-- Second group of tags -->
<div style = "color:green">
<h4>This is second group</h4>
<p>Following is a list of fruits</p>
<ul>
<li>Apple</li>
<li>Banana</li>
<li>Mango</li>
<li>Strawberry</li>
</ul>
</div>
</body>
</html>
```

b) CSS is a form of communication used to dilate the display of a website markup language like HTML or XHTML as it determines such features as its fonts, layouts, spacing and colors, to name just a few. Explain atleast five more advantages of using CSS in web design. (10 Marks)