



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY**

SCHOOL OF INFRMATICS AND INNOVATIVE SYSTEMS

AUGUST-DECEMBER 2013

COURSE CODE: SCS 207

COURSE TITLE: WEB DESIGN AND PUBLISHING

BUSIA LEARNING CENTER

EXAMINATIONS 2013/2014

INSTRUCTIONS:

- i. This paper contains five (5) questions.
- ii. Question ONE is Compulsory and any other TWO questions
- iii. Answer questions on the booklet provided

Question One 30marks

- a. Define the following terms { 5 marks }
- i. World Wide Web
 - ii. Web Browser
 - iii. Html
 - iv. Blog
 - v. Search Engine
- b. Explain the difference between digital communication and analog communication clearly showing the media type and how they are converted from one to the other and vice-versa. { 8 Marks }
- c. What activities would normally take in the site-launch stage of web-design? { 6 Marks }
- d. Write a simple HTML basic program structure. Explain the meaning of each mandatory tags that must be included { 5 Marks }
- e. Internet search tools can broadly be categorized into four. List these four categories of search tools giving two examples in each category and an indication of where it is best used { 6 marks }

Question Two 20marks

- a. Briefly discuss the main sources of a web-site's contents. { 8 marks }
- b. Create HTML code for the following displayed list. { 12 marks }

WEB PROGRAMMING COURSE

A. Client Side Programming

- a. HTML/XHTML
- b. CSS
- c. WEB-BROWSER BASED
 - Javascript
 - VBscript
 - Other Embedded Languages

B. Server Side Programming

- a. Web Servers
- b. PHP
- c. SQL

C. Other Important Programming

- Perl and CGI programming
- XML

Question Three 20marks

- a. Differentiate internet server and a web-server. {4 marks}
- b. Outline 4 possible attribute tags in html. In each case explain how each is used {8 marks}
- c. Correct the following HTML code. {8 marks}

```
< html>
< head >
Title: Popular Websites: Google title
< /head >
< body >
< h7> About Google < /h7 >
<i>< p style:colour.greed> Google is best known for its search engine, although
Google now offers a number of other services.<i>< /p >
< p > Google's mission is to organize the world's
information and make it universally accessible and
useful. < /p >
< p > Its founders Larry Page and Sergey Brin started
Google at Stanford University. < /p >
< html >
```

Question Four 20marks

- a. In what ways can one test a web-site to ensure it is displayed and it function correctly as widely as possible? {10 marks}
- b. List 5 different kind of websites on the internet. {5 marks}
- c. Why are some HTML tags deprecated? {give examples} {5 marks}

Question 5 20marks

a) Create HTML code that would be used for a survey on a site. Include the following;

Name, Email, Contact, Sex, Country,
Choose favourite phone application {as many as apply}; Email, SMS, Audio Call, Internet Call,
Directory, chat
Give comment {20 marks}