



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY
UNIVERSITY EXAMINATION 2013/2014

YEAR: TWO SEMESTER: ONE (school based)

UNIVERSITY EXAMINATION FOR BACHELOR OF EDUCATION ARTS AND SNE
(KISII LEARNING CENTRE)

COURSE CODE: SCS 207

COURSE TITLE: WEB DESIGN AND PUBLISHING

DATE:

TIME:

DURATION:

Instructions

1. This paper consists of FOUR (4) questions.
2. Answers question ONE (COMPULSORY) and any other TWO questions.
3. Write all answers in the booklet provided.
4. Do not write on the question paper.

1. (a) Explain the meaning of the following terms as applied to web design and publishing (5marks)

- i. Web page
- ii. Website
- iii. Internet
- iv. Intranet
- v. Uniform Resource Identifier

(b) Write the following abbreviations in full (5marks)

- i. WWW
- ii. HTML
- iii. HTTP
- iv. TCP/IP
- v. DNS

(c) Explain any FIVE uses of the internet (10marks)

(d) Differentiate between an attribute and an element as used in a HTML document. Use examples to illustrate your points. (4marks)

(e) Explain the role of the following tags as used in the development of a web page. (6marks)

- i. ``
- ii. ``
- iii. `</P>`
- iv. `<body bgcolor="BLUE",FONTSIZE="2">`
- v. `TO VIEW TSC`
- vi. ``

2. (a) Define the term web browser? Identify FOUR examples of web browsers.

(5marks)

(b) Briefly outline FIVE tools that can be used to develop a web page. (5marks)

(c) The Internet as a research tool can make a researcher's dream come true. Lessons and online projects should be designed so that research time on the Web can be maximized in terms of efficiency. Briefly explain the various components of internet online research according to Barron and Iver of 1996. (10marks)

3. (a) The information below shows a display of web page. Study it carefully and write HTML code that could have been typed on the note pad so as to display the web page when refreshed. (10marks)



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

OUR VISION

The beacon in training research and sustainable development

OUR MISSION

To provide quality university education that nurtures creativity and innovation through integrated training and community outreach

OUR CORE VALUES

1. Fairness
2. Integrity
3. Meritocracy
4. Professionalism
5. Gender Equity
6. Transparency and Accountability

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(b) Explain four factors to consider when choosing a good web hosting provider. (8marks)

(c) List two web hosting providers in Kenya. (2marks)

4. (a) Discuss any five benefits of intranets to an organization (10marks)

(b) The following code is typed on a notepad. Study it carefully and write out the output when the HTML code is refreshed. (10marks)

```
<HTML>
<HEAD>
  <TITLE>JOOUST</title>
</HEAD>
<BODY>
  <BODY BGCOLOR="#FF6EC7">
    <P><H1>JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE &TECHNOLOGY</P></H1>
    <P><H2>Welcome to Jaramogi Oginga Odinga University of Science and Technology, the university
    that provides quality education and natures creativity and innovation through integrated training
    and community outreach.</P></H2>
    <p><H3>THE FOLLOWING COURSES ARE OFFERED</H3></P>
    <OL>
      <LI> BED ARTS AND SCIENCES</LI>
      <LI> BBA</LI>
      <LI> MED</LI>
      <LI> MPH</LI>
      <LI> MBA</LI>
    </OL>
    <P><FONT COLOR="BLUE";FONT SIZE="5"><CENTER><B>JOOUST HAS THE FOLLOWING
    CAMPUSES</P></FONT></CENTER></B>
    <P><CENTER>MAIN CAMPUS </P>
    <P>KISUMU CAMPUS</P>
    <P>KOSELE CAMPUS </P>
    <P> KISII CAMPUS</P></CENTER>
    <CENTER><IMG SRC="INAUGURATION.JPG" WIDTH="600" HEIGHT="300"><CENTER>
    <p><center><a href="MY SECOND PAGE.HTML">NEXT>>></p></CENTER></a>
  </BODY>
</HTML>
```

5 A) Write a simple HTML basic program structure. Explain the meaning of each mandatory tags that must be included {5 marks}

B) Write html code to display the table below as output {5 marks}

Marks for Language Students			
Name of Student	French	German	Japanese
John James	76	60	55
Janet June	63	82	69
Peter Philip	59	73	68
Pamela Menya	67	59	73

C) Explain different types of URLs {4 marks}

D) Explain DNS and its importance in internet operations. {6 marks}