JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

SCIENCE, ARTS, SNE ANDV BBA IT

2nd YEAR 1st SEMESTER 2018/2019 ACADEMIC YEAR

MAIN,KISUMU ,NAMBALE CAMPUSES

COURSE CODE   : SCS 207

COURSE TITLE   : Web Design and Publishing

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 (30 marks)

a) Differentiate between the following in web design and publishing

    i.   Relative pathnames and absolute pathnames   (2 marks)

    ii.   Ordered and un-ordered lists   (2 marks)

b) Analyse the following HTML code and give the output   (4 marks)

    <UL>

    <LI>Western

    <LI>kakamega

    <LI>Lubao

    <LI>Central

    <UL>

    <LI>nyeri

    <LI>embu

    <LI>nyanza

    <UL>

    <LI>Homabay

    <LI>Siaya

    </UL>

    </UL>

c) Explain briefly the followings terms as used in web design

    i.   URL   (2 marks)

    ii.   CGI   (2 marks)

    iii.   Internet address   (2 marks)

    iv.   ISP   (2 marks)

    v.   World Wide Web   (2marks)

    vi.   Domain name system DNS   (2marks)

d) Describe *Standard elements of a HTML page*   (4 marks)

e) Explain three basic tools used during web design.   (6marks)

QUESTION TWO 20 MARKS

a). Describe the purpose of the following as used in forms   (6 Marks)

       i.   Radio Buttons

       ii.   Check Boxes

      iii.   Drop Down Boxes

b). (i) Explain what you understand by the term Web Page editor.   (1 Marks)

   (ii) Discus the advantages of a web page editor   (3 Marks)

   (iii) State and explain any FOUR features provided by these editors   (8 Marks)

c). Html tags can be grouped in to two groups, briefly explain.   (2 Marks)

QUESTION THREE 20 MARKS

Technology does not stand still and programmers have to continually update their skills

a) As an ICT trainer write notes on the following terms.   (10 Marks)

           i)   Cellpadding

           ii)   Cellspacing

          iii)   Nowrap

          iv)   Colspan

           v)   Rowspan

b) Produce a basic set of HTML coding incorporating the terms in part a)   **(10 Marks)**

QUESTION 4 [20 MARKS]

a)   What do you understand by the term web browser? Give Two examples of web browsers that you are familiar with   **(4marks)**

b)   Describe the components of a search engine   **(4 marks)**

c)   Describe the prerequisites for website publishing   **(6 marks)**

d)   Discuss the similarities and the differences between the internet and the intranet   **(4 marks)**

a)   Discuss some of the disadvantages of the internet   **(2 marks)**

QUESTION FIVE 20 MARKS

a) Briefly explain the features of World Wide Web (WWW)   **(3Marks)**

b) Explain the function of the following servers   (**8Marks)**

> i)   File server
> ii) Printer server
> iii) Proxy server
> iv) Application server

c) Explain how one would insert the following in HTML page give the tags involved, its attributes and the code   **(9Marks)**

> i)   Inserting an image
> ii) Inserting horizontal line
> iii) Alternating Scrolling text on the screen