KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2017/2018 ACADEMIC YEAR
DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY

DBT O27 - WEB APPLICATION PROGRAMMING

Date: 10th April 2017
Time: 12:00-2:00PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

a) Distinguish between the following terms as used in web design:

    i.   Ordered list and unordered list   (2 Marks)

    ii. Container tag and empty tag   (2 Marks)

    iii. Web page and website   (2 Marks)

    iv. Intranet and extranet   (2 Marks)

b) Describe the following web technologies

    i.   DNS   (2 Marks)

    ii. HTML   (2 Marks)

    iii. Search engine   (2 Marks)

c) Outline any four features of the WWW   (4 Marks)

d) Discuss the major services offered by the internet.   (6 Marks)

e) Discuss the main advantages of client/server architecture   (6 Marks)

QUESTION TWO (20 MARKS)

a) Describe the four main tags used in a HTML documents. Use a code to illustrate your answer

(8 Marks]

b) Below is a fragment of HTML code. Sketch the output of the code.

```
<H1>KWUT offers world-class education and innovative research in Three areas:</H1>
        <OL type="1">
                <Li> Business Studies </li>
                <Li>Computer Science </li>
                    <OL type="a">
                            <li>Degree </li>
                            <Li>Diploma</li>
                                    <UL type="square">
                                            <li>Kasarani Campus</li>
                                            <Li>Nairobi Campus </li>
                                            <Li>Westland Campus</li>
                                    </UL>
                            <Li>Certificate </li>
                        </OL>
                <Li>Communication </li>
        </OL>
```

(9 Marks)

b) Explain any three attributes of the <img > tag. (3 Marks)

QUESTION THREE (20 MARKS)

1. Explain the three types of web documents (9 Marks)

2. Discuss three different ways of web hosting (6 Marks)

3. Discuss the Factors to be considered while planning for a website (5 Marks)

QUESTION FOUR (20 MARKS)

1. Give the full names of the following acronyms
       i.   URL
       ii. TCP/IP

(4 Marks)

2. List the advantages of having your web site hosted by a web hosting company (6 Marks)

3. Explain the importance of having a website for a learning institution (5 Marks)

4. State the meaning of the following HTML tags

   i.   <th>……………………………………………….</th>

   ii. _{………………………………………………}

   iii. <table>………………………………………………</table>

   iv. ……………………………………………….

   v.   <a>……………………………………………….

(5 Marks)

QUESTION FIVE (20 MARKS)

1. Using an example ,demonstrate how to create a link   (6 Marks)

2. Create a link to email address mutual@yahoo.com   (6 Marks)

3. Provide HTML code to insert the graphic "logo.gif" into a web page   (6 Marks)

4. Write a HTLM code that will produce the table below on a web page.

ITEM	QUANTITY	PRICE
Item A	4	28
Item B	6	36

(8 Marks)

5. Write down the output displayed when the following HTML statements are executed

   i.   <P> please contact us on <A HREF=mailto:>info@abc.com </A><P>

   ii. <P>All information on this site is <STRONG>©</STRONG>XYZ<STRONG> &<STRONG>company</p>

   iii. 4*10²

   iv. <del> No permissions is needed if you only need to use <del>

(8 Marks)