UGANDA MARTYRS UNIVERSITY
NKOZI

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION SYSTEMS

END OF SEMESTER ONE FINAL ASESSMENT
SEMESTER I, 2014/15

FIRST YEAR EXAMINATIONS FOR BACHELOR OF SCIENCE INFORMATION TECHNOLOGY

Internet Technologies & Web Authoring

DATE: 10 TH DECEMBER 2014

TIME: 2: 00- 5:00 PM

DURATION: 3HRS

Instructions:

1. Carefully read through ALL the questions before attempting
2. **ANSWER five (5) Questions** ONLY. (Each question carries equal marks)
3. No **names** should be written anywhere on the examination book.
4. Ensure that your **Reg number** is indicated on all pages of the examination answer booklet.
5. Ensure your work is **clear** and **readable**. Untidy work shall be penalized
6. Any type of examination Malpractice will lead to automatic disqualification
7. Do not write anything on the questions paper.

Question1:

(a) Describe the meaning the following terms as applied in the internet technologies
[2 marks]

    (i) Archives
    (ii) Spamms
    (iii) E-mail signature
    (iv) Bookmarks
    (v) Search Engine
    (vi) Mailing list
    (vii) FTP
    (viii) Web server
    (ix) Gateway

(b) Describe any symptom of a failing gateway. [2 marks]

Question 2:

(a) Differentiate between each of the following. Where possible illustrate with a diagram.
[4 marks]

    (i) intranet and extranet
    (ii) Mail server and Webserver
    (iii) MAN and WAN
    (iv) WWW and Internet
    (v) Chatting and video conferencing

Question3

(a) A client is familiar with computer basics like starting computer, creating folders, saving documents, using excel and word. He is not knowledgeable using browsers. Describe to him or her how to search for information on Internet. [4 marks]

(b) Differentiate between each of the following. [4 marks]
    (i) Switch and Hub
    (ii) Gateway and client computer
    (iii) TCP and IP

(b) Describe a mesh topology. [4 marks]

Question 4:

(a) Describe the meaning of the following terms. [2 marks]
    (i) HTTP
    (ii) POP
    (iii) IMAP
    (iv) MME
    (v) Telnet
    (vi) Mail client

(b) Describe any two advantages of using webmail (web browser like internet explorer) to access email compared to using outlook express. [4 marks]

(c) Why is it necessary for information to be broken into partitions called packets as it is transmitted over the networks? [4 marks]

Question 5

(a) Briefly describe the meaning of the following terminologies. [6 marks]
   (i) Hyperlink
   (ii) Website
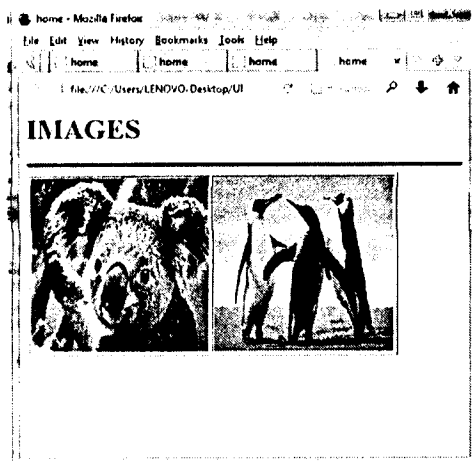   (iii) An anchor

(b) *Give the output from the following code extract.* *[4 marks]*
```
<ol>
<li>Europe</li>
<li>Africa</li>
<li>America </li>
</ol>
```

(c) Give an html code for the following. Assume images are called img1.jpg and img2.jpg and are in the table as shown. [6 marks]

(d) With help of diagram describe coaxial cable. [4 marks]

Question 6

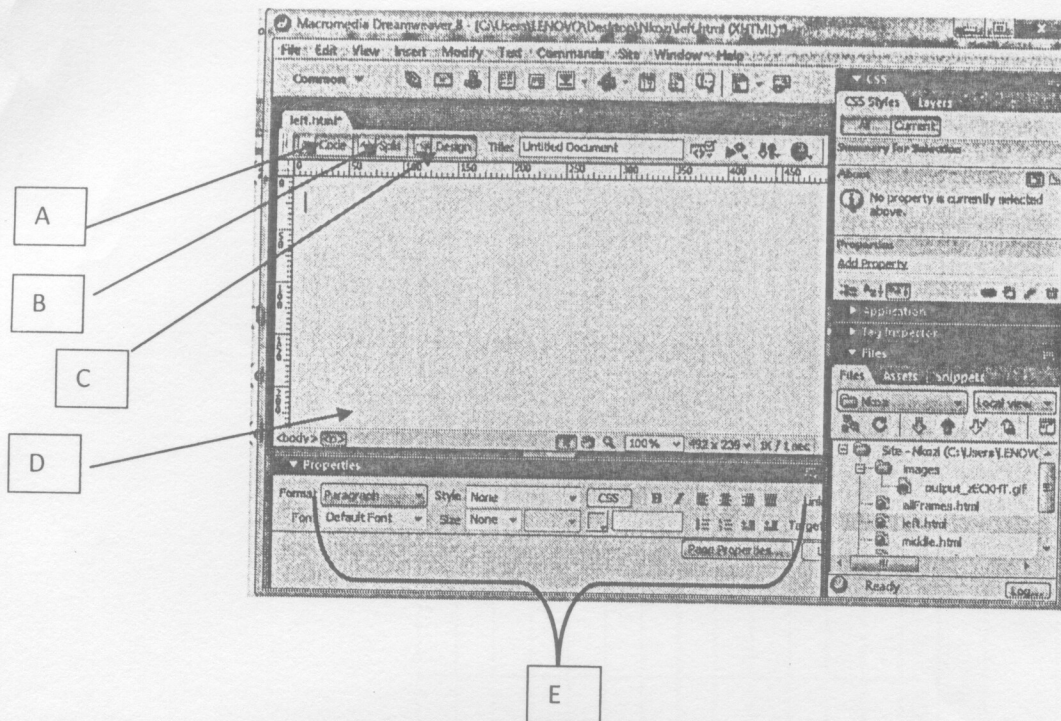(a) What do you understand by the term Web authoring tools as applied to website development? [2 marks]

(b) What do the following tags do in HTML? [8 marks]
   (i) My First Web Page.
   (ii) <u> Biology </u>
   (iii)
   (iv)
   (v) <A HREF="Education.html"> Educational </A>
   (vi) Uganda Martyrs University
   (vii) <i> GOOD JOURNEY</i>
   (viii) <input type="checkbox" name="selection">

(b) Describe the role of any four components labeled. [4 marks]

Note that the andrew.jpg is the name of the banner.

(c) Give an html to display the following.   [6 marks]

STUDENT	HOME
PAUL	KAMPALA