

UGANDA MARTYRS UNIVERSITY
FACULTY OF SCIENCE AND EDUCATION
DEPARTMENT OF INFORMATION SYSTEMS
SEMESTER I EXAMINATIONS 2012/2013

PROGRAMME: DIPLOMA.IT, BSC.IT(I), BSC.GEN(I)

YEAR OF STUDY: I

COURSE NAME: INTERNET TECHNOLOGIES AND WEB AUTHORIZING

COURSE CODE: CSC1102

DATE: 8th August 2014

TIME: (2:00 P.M – 5:00 PM)

EXAMINATION INSTRUCTIONS

- 1. ATTEMPT ANY FIVE (05) QUESTIONS (20 MARKS @)**
- 2. DO NOT OPEN THIS EXAM UNTIL YOU ARE TOLD TO DO SO**
- 3. ALL ROUGH WORK SHOULD BE IN YOUR ANSWER BOOKLET**

Question1:

Describe the meaning of any ten (20) following terms as applied in the internet technologies [2 marks]

- | | | |
|---------------|----------------|-----------------------------|
| (a) Bookmarks | (f) Topology | (k) Container tag |
| (b) Internet | (g) URL | (l) Attribute |
| (c) Web page | (h) Web server | (m) Real time communication |
| (d) Website | (i) ISP | (n) Search engine |
| (e) Protocol | (j) Browser | (o) Search term |

Question 2:

- (a) Differentiate between each of the following. [4 marks @]
- (i) intranet and extranet
 - (ii) Mail server and Webserver
 - (iii) MAN and WAN
 - (iv) WWW and Internet
- (b) When is it necessary to user FTP other than telnet? [4 marks]

Question3:**(5marks each)**

(a) Emmanuel wants to write his name on a web page. He wants the name to be bold, underlined, Italic and red. Write down the tags between the body tags that will be used.

(b) Write down the output of the following tags:

```
<BODY> <TABLE BORDER =2 WIDTH = 50% HEIGHT = 50%>
<TR> <TD> Uganda </TD> <TD> Kenya</TD> </TR>
</TABLE> </BODY>
```

(b) Write down the output of the following tags:

```
<BODY> <TABLE BORDER =0 WIDTH = 50% HEIGHT = 50%>
<TR>
<TD COLSPAN = 2> Table of Speculation </TD></TR>
<TR> <TD> Uganda is a good country </TD>
<TD> It is the pearl of Africa <BR> <BR> <BR>
<B>Nelson Mandella </B>Should have been born in Uganda</TD> </TR>
</TABLE> </BODY>
```

(c) Write down HTML tags that will make the image called exam.jpg a link to the google website.

Question4:

- (a) With help of diagram describe the following as applied to internet technologies. [4 marks]
- (i) CAT cable
 - (ii) Coaxial cable
- (b) Describe any two scenarios that may prompt an organization to change from other types of cabling to fiber. [4 marks]
- (c) An organization is planning to use fiber cabling. You are required to educate this organization on any two hurdles that you are foreseeing. [4 marks]
- (d) What you understand by the term topology? [2mark]
- (e) With the aid of a diagram describe the following [6 marks]
- (i) Star topology
 - (ii) Bus topology

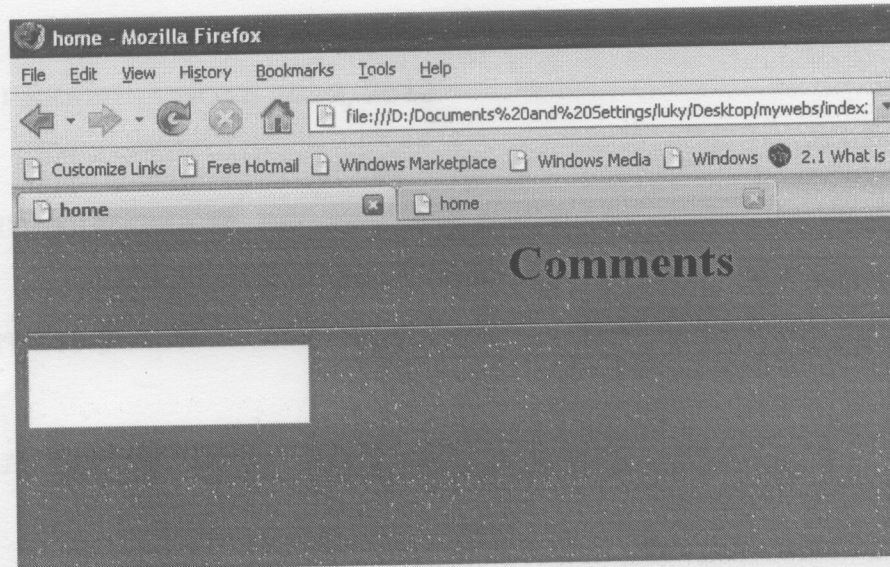
Question 5:

- (a) A star topology is easier to troubleshoot than a bus topology. Explain [3 marks]
- (b) Explain any two factors which influence the choice of a topology. [4 marks]
- (c) Explain the role of twisting wires in CAT cable. [3 marks]
- (d) TCP/IP is sometimes called DoD protocol. Explain [2 marks]
- (e) The describe the meaning of the following terms [2 marks @]
- (i) POP
 - (ii) TCP
 - (iii) MIME
 - (iv) SMTP

Question6

- (a) What is html in full? [2 marks]
- (b) What do the following tags do in HTML? [2 marks @]
- (i) `My First Web Page.`
 - (ii) `
`
 - (iii) ` Educational `
 - (iv) ` Uganda Martyrs University `

(c) Write an html code to display the following output. [7 marks]



(e) Give an html to display the following. [3marks]

1. Agaba Paul
2. Katende John
3. Okello Tom

END