

UGANDA MARTYRS UNIVERSITY
NKOZI

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

END OF SEMESTER EXAMINATIONS
SEMESTER II, 2015/16

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
SYSTEMS

FIRST YEAR EXAMINATION FOR DIPLOMA IN COMPUTER
SCIENCE AND INFORMATION TECHNOLOGY

Web Authoring
DIPS 1202

DATE: 27TH APRIL, 2016

TIME: 2:00- 5:00 PM

DURATION: 3HRS

Instructions:

1. Carefully read through ALL the questions before attempting
 2. **ANSWER ANY FOUR (4) Questions** (All questions call equal marks (20 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.
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Question One

- a) Describe the steps you go through to search for information on the internet (5 marks)
- b) What do you understand by the term HTML? (2 marks)
- c) Give any two editors where you can write HTML Tags (3 Marks)
- d) Describe the role of the following html codes. (2 marks@)
 - i. `
`
 - ii. `<p>Diploma Computer Science and IT </p>`
 - iii. `<i>diploma Computer Science</i>`
 - iv. `<hr>`
 - v. `<title>My Web Page</title>`.
- e) Provide html code for each of the following screen shot (10 marks)

Please fill in the following details

Enter your name:

DOB: This is a required field

Provide your gender

☐ female
☐ male

Question Two

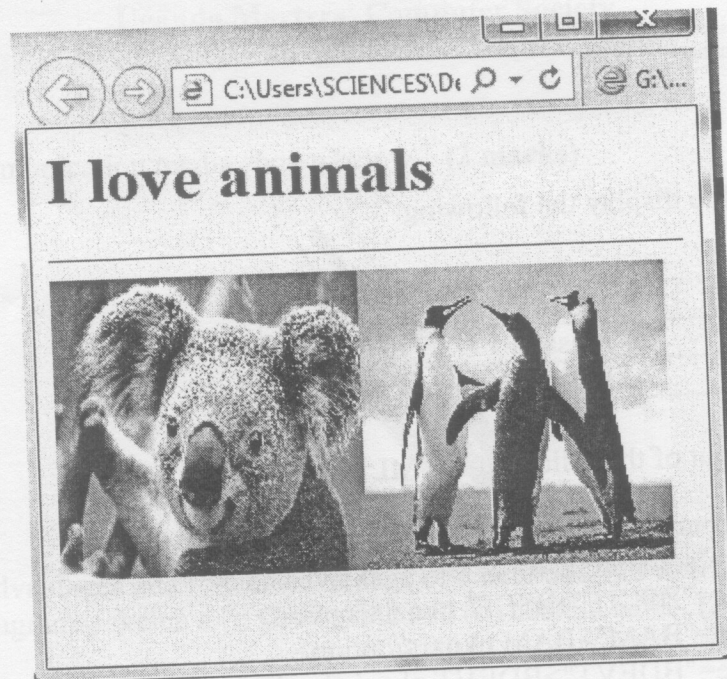
- a) What do the following tags do in HTML? (2 marks @)
- (iii) ` home page`
 - (i) ``
 - (ii) `<body bgcolor="yellow">`
 - (iii) ` Uganda Martyrs Masaka Campus `
 - (iv) `<!--the following tag displays an image-->`

- b) Give the output from the following code extract.

```
<ul>
<li>Paul</li>
<li>Ann</li>
<li>Andrew </li>
</ul>
```

- c) Write an html code to output the following page (5 marks)

(5 marks)



Question Three

- a) Describe any three components of a network structure.
- b) Give an html to display the following.

(5 marks)

(10 marks)

courses

file:///C:/Users/Mirem

Search

Select the course you are applying for:

☐ BSC IT

☐ BAM

Please leave a comment

Write a comment here

submit cancel

c) Give an html to display the following.

(5marks)

(i)

STUDENT	HOME
Ndagire	Masaka
Anyuzu	Kampla

d) Write the output of the following HTML tag (5marks)

```
<P> Select a course:
<select name="something">
  <option value="BSCIT">BSCIT nkozi</option>
  <option value="BAM">BAM nkozi</option>
  <option value="BDEVT">BDEVT nkozi</option>
  <option value="BSCEDUC">BSEDUC nkozi</option>
</select>
```

Question Four

- With examples explain the role of internet to people of various professionals (3 marks).
- What do you understand by the term topology as applied to computer networking? (2 marks)

- c) With the aid of diagrams, explain the five common types of network topologies (10 marks)
- d) For any two types of topologies above, explain the advantages and disadvantages of each. (10 marks)

Question Five

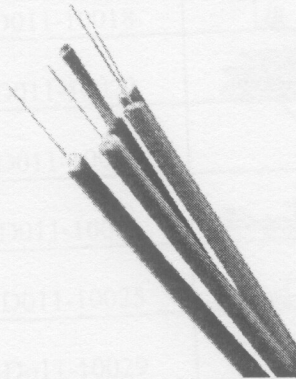
- a) Give the output from the following code. (5marks)

```
<table border =2> <tr> <td> Subject</td> <td> Exam score </td></tr> <tr> <td> English</td>
<td> 30 </td></tr> <tr> <td> Science</td> <td> 20</td></tr> <tr> <td> SST</td> <td>
19</td></tr> </table>
```

- b) Write an HTML code that would display following output in the browser. (5 marks)

Uganda Martyrs' Computer Society
Invites you for an exhibition at Nkozi Campus

- c) Identify the communication media shown below. (2 marks)



- d) Describe five advantages and five disadvantage of a network. (10 marks)
- e) With help of diagrams, sketch a (i) CAT cable and (ii) coaxial cable. (3 marks)

Question Six

- (a) Differentiate between LAN and CAN. (4 marks)
- (b) Describe any three disadvantages of a WAN (3 marks)
- (c) Write notes on the following interconnection devices. (2 marks @)
 - (i) Repeater
 - (ii) Switch
 - (iii) Router
 - (iv) Gate way
- (v) Distinguish each of the following. (2 marks @)

- (i) POP and SMTP
- (ii) FTP and HTTP
- (iii) Intranet and Extranet
- (iv) Client and a Server Machine
- (v) Wired and Wireless network

END