UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
END OF SEMESTER ONE EXAMINATIONS

ACADEMIC YEAR 2023/2024

DEPARTMENT: ICT

SEMESTER: ONE

PROGRAMME(S): DIPLOMA IN INFORMATION TECHNOLOGY FOR SCIENCE (DITS)
DIPLOMA IN INFORMATION TECHNOLOGY FOR BUSINESS (DITB)

YEAR OF STUDY: ONE

COURSE: WEBSITE DEVELOPMENT I

COURSE CODE : ICT111

DATE: SATYRDAY 40TH, DECEMBER 2024

TIME: 9:00 AM – 12:00 NOON

DURATION: 3 HOURS

INSTRUCTIONS:

(i) This paper contains two Sections: A (40 marks) & B (60 marks).

(ii) Attempt ALL questions in Section A, and ONLY THREE questions in Section B.

(iii) All questions in Section B carry equal marks.

(iv) Credit will be given for use of relevant examples and illustrations.

(v) Begin each number in Section B on a new page of the answer sheet.

SECTION A [40 MARKS]

Attempt **ALL** the Questions in this Section.

For questions 1 to 10 write the correct alternative in the answer booklet provided

(2 marks @)

1. Which of the following is not a name of the first page in a website.
   (a) Index (b) default (c) home (d) first

2. Choose the correct HTML for height attribute and its value.
   (a) height=80 (b) heigh=”80″ (c) WIDE=”80″ (d) WIDTH=80

3. In CSS, h1 can be called a _____
   (a) Selector (b) Attribute (c) Value (d) Tag

4. In css, “color:red” can be called as _____
   (a) Selector (b) Rule (c) Declaration (d) Value

5. Which selector is used to specify a rule to bind a particular unique element?
   (a) Class (b) id (c) tag (d) All the Above

6. In CSS, “font-size” can be called as _____
   (a) Selector (b) Rule (c) Property d) Property-Name

7. _____ selectors are used to specify a group of elements.
   a) class b) id c) tag d) both class and tag

8. Which of the following tag is used to embed css in the body of an html page?
   a) <script> b) <style> c) <css> d) <!DOCTYPE html>

9. Which of the following element is used for linking a **CSS File** to the html page?
   a) <script> b) <style> c) <link> d) all of the above

10. Which of the following attribute specifies the URL of the linked resource?
    a) src b) link c) rel d) href

11. What type of selector is used in this case?p {**line-height**:150%;}
    a) class Selectors b) element Selectors
    c) id Selectors d) none of the mentioned.

12. Relative URLs are used to _____
    a) link other pages within the same site b) link the same page with other sites
    c) link other pages with other sites d) does not link

13. What is the path for an image located in same folder as the current page?

```
14. a) <img src= "pic.jpg">
15. b) <img src= "../pic.jpg">
16. c) <img src= "images/pic.jpg">
17. d) <img src= "/images/pic.jpg">
```

14. Which element is used for creating links?
    a) <a> b) <p> c) d)

15. HTML is what type of language?
    a) Scripting Language b) Markup Language
    d) Programming Language d) Network Protocol

16. To create a combo box (drop down box) which tag will you use?
    A. <select> B. <list> C. <input type="dropdown"> D. all of above

17. How can you open a link in a new browser window?
    A. < a href = "url" target = "new"> B. <a href = "url" target= "_blank">
    C. <a href = "url".new> D. <a href = "url" target ="open">

18. HTML is what type of language?
    b) Scripting Language b) Markup Language
    e) Programming Language d) Network Protocol

19. Apart from <b> tag, what other tag makes text bold?
    a) <fat> b) c) <black> d) <emp>

20. Choose the correct tag for the smallest heading in HTML.
    (a) h6 (b) heading (c) h1 (d) head

SECTION B [60 MARKS]

Attempt **ONLY THREE** Questions in this Section.

Question 1

a) Define the following terms with an example of each **(2 marks @)**
   i) Webpage
   ii) Web server
   iii) Browser

b) i) State and explain the two major types of websites **(4 marks)**
   ii) For each type of website mentioned in i) above, give **two** technologies used to implement such a site **(4 marks)**

c) State and explain any **three** components one needs to connect to the Internet **(6 marks)**

Question 2

a) Outline **four** characteristics of a good website (4 marks)

b) Explain the importance of the following tags as applied in HTML

No	Output	Marks
i)	<! DOCTYPE html>	(1 mark)
ii)	<hr>	(1 mark)
iii)	 	(1 mark)
iv)	<link>	(1 mark)
v)		(1 mark)

c) Explain how the following HTML elements are used in HTML while designing web pages (6 marks)
   i) <style>
   ii) <title>
   iii) <script>

d) Write an HTML syntax which can produce the following outputs

No	Output	Marks
i)	~~Incorrect~~	(1 mark)
ii)	*Heading*	(1 mark)
iii)	$Log_2 56$	(1 mark)
iv)	He <u>answered</u> the difficult question	(1 mark)
v)	He is a **bold** man	(1 mark)

Question 3

a) Use html code to generate the following **(5 marks)**

Name	Basic Pay	Transport
Ramesh Raman	5000	2000
Shabbir Hussein	7000	3000
Zubir Ramathan	7000	3000
Kharim Ibrahim		

b) Give the table the following attributes: **(3 marks)**
   i) Border of “3”
   ii) bordercolor “#CCOO66”
   iii) backgroundcolor “#OO6666”

c) Rowspan the cell with Ramesh Raman to “3” **(2 marks)**

d) Change the table width to “450” and height to “150” **(2 marks)**

e) Put this text before the table. THIS IS THE CAPTION. Change the above text to bold and center **(3 marks)**

Question 4

a) Define Cascading Style Sheets (CSS). **(2 marks**

b) Using codes, describe two ways of styling an HTML document **(4 marks)**

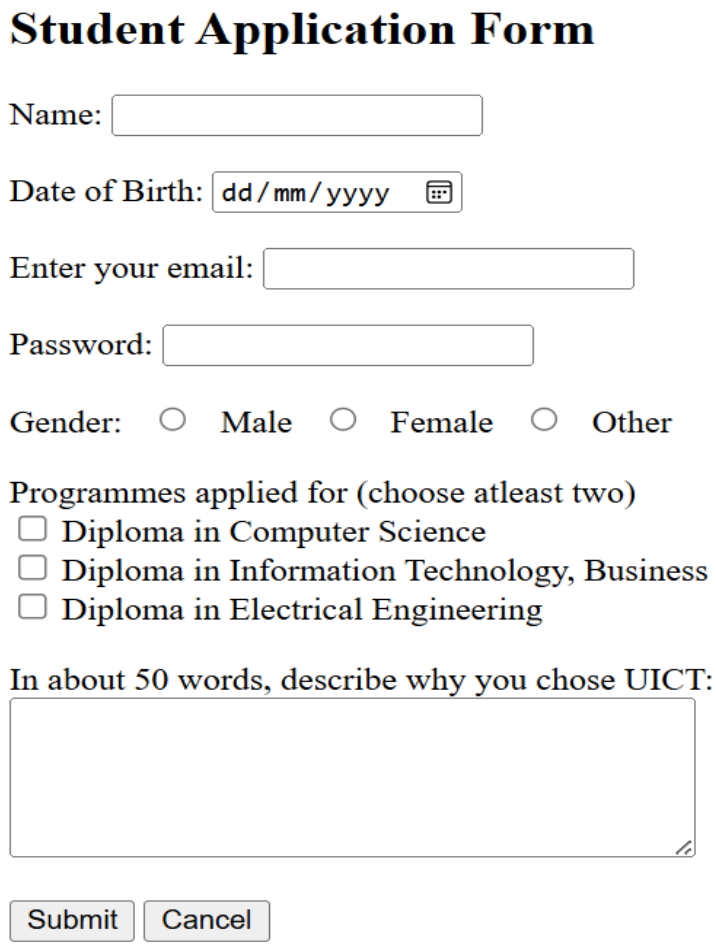
c) Explain the term margins as used in CSS styling **(2 marks)**

d) Using suitable codes, discuss **three** background properties of an element in CSS **(6 marks)**

e) With the use of class selectors, change the margins of an image by setting top to 5, bottom to 3, right to 9 and left to 7 pixels **(6 marks)**

Question 5

a) Write an HTML code behind the form below: **(10 marks)**



b) Using the form in a) above, write an external CSS applying the following properties: **(6 marks)**

i) font color
ii) font size
iii) font family
iv) font style
v) background color

c) A submit button with hover and active effects using CSS **(4 marks)**