UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

END OF SEMESTER I EXAMINATIONS

ACADEMIC YEAR 2017/2018

DEPARTMENT	**:**	**ICT**
SEMESTER	**:**	**ONE**
PROGRAM	**:**	**ITB & ITS**
COURSE	**:**	**WEBSITE DEVELOPMENT I**
COURSE CODE	**:**	**IT114**
DATE	**:**	**MONDAY, DECEMBER 11, 2017**
TIME	**:**	**2:00pm – 5:00pm**
DURATION	**:**	**3 Hours**

INSTRUCTIONS

- The paper consists of two Sections A and B
- Answer **ALL questions** in section A and **ANY THREE** questions section B
- Credit will be given to relevant examples and illustrations
- Begin each number on a NEW PAGE of the answer booklet
- Don Not Write anything on this question paper

SECTION A:

Attempt all questions:

1. What does HTML stand for?

A. Hyperlinks and Text Markup Language B. Home Tool Markup Language

C. Hyper Text Markup Language D. None of the above

2. Who is making the Web standards?

A. The World Wide Web Consortium B. Microsoft C. Mozilla D. Internet Consortium

3. Choose the correct HTML tag for the largest heading

A. <h6> B. <h1> C. <head> D.<heading>

4. What is the correct HTML tag for inserting a line break?

A.
 B. <break /> C. <lb /> D. <b />

5. What is the correct HTML tag for adding a background color?

A. <body style="background-color:blue"> B.<background> blue

C. <body background="blue"> D. <body color = blue>

6. Choose the correct HTML tag to make a text in italics

A. B. <italic> C. D. <u>

7. The <b> tag makes the enclosed tag bold. Which other HTML tag makes text bold

A. <black> B. <bold> C. D.

8. What is the correct HTML tag for creating a hyperlink?

A. W3Schools

B. W3Schools.com

C. W3Schools.com

D. <a>http://www.w3schools.com

9. How can you create an e-mail link?

A. <a href="mailto:akatushabe@uict.ug"> B. <a href=" akatushabe@uict.ug ">

C. <mail href=" akatushabe@uict.ug "> D. <mail> akatushabe@uict.ug </mail>

10. HTML document is saved using _____ extension

A) .css B) .htl C) .html D) .hml

11. It is possible to display pictures (i.e, images) in HTML by using the tag

A) . <GR src = Picture file> B. <PIC src =Picture file>

C. <IMG src =Picture file> D. <GIF src=Picture file

12. What does CSS stand for?

A. Colorful Style Sheets B. Computer Style Sheets

C. Creative Style Sheets D. Cascading Style Sheets

13. What is the correct HTML for referring to an external style sheet?

A. <link rel="stylesheet" type="text/css" href="mystyle.css">

B. <style src="mystyle.css">

C. <stylesheet>mystyle.css</stylesheet>

D. None of the above

14. Where in an HTML document is the correct place to put an embedded style sheet code?

A. In the <head> section B. At the end of the document

C. At the top of the document D. In the <body> section

15. Which HTML tag is used to define an internal style sheet?

A. <style> B. <css> C. <script> D. None

16. Which HTML tag must always be included in the head section?

A. <b> B. <title> C. <body> D. <class>

17. Which is the correct CSS syntax?

A. {body:color=black(body} B. body {color: black}

C. body:color=black D. {body;color:black}

18. How do you insert a comment in an html file?

A. // this is a comment B. <!—this is a comment -->

C. /* this is a comment */ D. <this is a comment -->

19. Which HTML property is used to change the background color?

A. bgcolor: B. color: C. background-color: D. None

20. How do you add a background color for all <h1> elements?

A. h1 {background-color:#FFFFFF} B. all.h1 {background-color:#FFFFFF}

C. h1.all {background-color:#FFFFFF} D. h1.all {background-color:yellow}

21. Inside which HTML element do we put the JavaScript?

A. <scripting> B. <script> B. <javascript> C. <js> D.No

22. What is the correct JavaScript syntax to write "Hello World"?

A. document.write("Hello World") B. ("Hello World")

C. response.write("Hello World") D. "Hello World"

23. Where is the correct place to insert a JavaScript?

A. The <body> section B. The <head> section C. The <html>

D. Both the <head> section and the <body> section

24. What is the correct syntax for inserting java script in an html file?

A. <script type="text/javascript" > B. <script type=text/javascript>

C. <script="javascript" > D. <javascript>

25. HTML tags are case sensitive

A. True B. False

26. What is the correct JavaScript syntax to write "Hello World"?

A. response.write("Hello World") B.("Hello World") C. document.write("Hello World")

D. echo("Hello World")

27. How do you create a function?

A. function=myFunction() B. function myFunction() C. function:myFunction()

28. How do you write a conditional statement for executing some code if "i" is equal to 5?

A. if i is 5 B. if i !=5 C. if (i==5) D. if i=5

29. What is DTD in full

A. Document Type Difinition B. Dynamic Type Difinition C. Direct Type Document D. None

30. Which css property is used to change the background color?

A. bgcolor: B. background-color: C. color: D. body color

31. What is wrong with this html code?

```
<html>
<head>
<title>Website training</title>
</head>
<body> <h2>
My first page
</body>
</html>
```

A. There is nothing wrong B. Can't tell C. h2 should have a closing tag

C. </html> is not needed

32. Which is the correct line?

A. <u> Click here B. <underline> Click here </underline>

C. <u> Click here </u> D. <u> Click here <u>

33. What are the three methods for using style sheets with a web page

A. Dreamweaver, Internal and FrontPage B. Inline, embedded and external

C. Handcoded, Generated and WYSIWYG D. Mozilla, Google, Explorer

34. Files accessible on the internet (websites) are normally stored on computers known as

A. Web servers B. Web browsers C. Web databases D. Web computers

35. The following are table attributes except

A. th B. tr C. td D. br

36. You have to connect to the internet to verify changes to a Web page on your computer.

A. False B. True

37. The first page of a website is called

A. First Page B. Home Page C. Web Page D. Main Page

38. Clickable texts or images on a webpage are called

A. Lines B. Pages C. Clicks D. Links

39. The <form> tag is used to capture input from users. The following are some of the ways used for capture except

A. Radio Button B. Combo box C. List box D. Submit box

40. What is the correct CSS syntax for making all the <p> elements bold?

A. p {text-size;bold} B. p {font-weight:bold} C. style:bold D. p{font:bold}

SECTION B

Question 1

a) (i) What is a web browser **(2 marks)**

(ii) List any four examples of web browsers **(2 marks)**

(b) (i)What is a website **(2 marks)**

(ii) Give four purposes of websites **(4 marks)**

(iii) What do you understand by the term text editor as used in web development? Giving at least two examples **(3 marks)**

c) Give at least three issues upon which the website should be tested **(3 marks)**

d) Describe the internet Protocols which are governing the Web? **(4 marks)**

Question 2

a) Web pages are normally connected together using hyperlinks

(i) What is a hyperlink? **(2 marks)**

(ii) Give any three types of hyperlinks used on Web pages **(3 marks)**

b) Give any four (4) attributes that appear in the image tag **(4 marks)**

c) Write a complete code that uses an image called image.jpg as a link linking to a page called gallery.html **(3 marks)**

d) Write an html code that will display the form below in a web browser **(8 marks)**

FName: ☐

LName: ☐

Gender

Male: ○ Female: ○

Check the game(s) you want to play

Basketball: ☐

Football: ☐

Netball: ☐

Volleyball: ☐

Comments:

☐

Reset Submit

Question 3

a) Differentiate between a home page and webpage **(4 marks)**

a) Briefly describe each of the following terms as used in web development **(2 marks @)**

(i) Website planning
(ii) Dynamic HTML
(iii) Cascading Style Sheet
(iv) Comments

b) Briefly explain any four factors to consider when designing a website **(4 marks)**

c) Describe any four components of a web page structure/layout **(4 marks)**

Question 4

(i) With Examples, define the term **"Internet Service Provider"** **(2marks)**

(ii) Differentiate between **a Search Engine** and **a Subject Directory**. *Give examples of each.* **(4 marks)**

(iii) Explain the difference between a Server and a client as applied to the role they play in a network? **(4 marks)**

(iv) With examples, differentiate between an operating system and utility software. **(4marks)**

(v) Write the output for the following HTML code **(6 Marks)**

```
<html><head></head>
<BODY>
<H2 ALIGN="center">UICT<H2>
<H3 ALIGN="left">ITS CLASS<H3>
<H4 ALIGN="right">ITB CLASS<H4>
<ol >
<li>FIRST CLASS
<ol type= “i”>
<li>Henry</li><li>Mary</li><li>Timothy</li></ol><li>SECOND CLASS</li><ul type= “square”>
<li>Titus</li><li>Elizabeth</li><li>Flavia</li></ul>
</li>
</ol>
</BODY></HTML>
```

Question 5

(i) With Examples differentiate between **“Virtual reality”** and **“Multimedia**” **(4 Marks)**

(ii) Discuss any 4 (four) types of websites that you know **(8 Marks)**

(iii) Explain any 4 factors that are considered in the criteria for evaluating a website’s content **(8 marks)**