

**UGANDA INSTITUTE OF
COMMUNICATIONS
RECESS EXAMINATIONS FOR**



**INFORMATION AND
TECHNOLOGY
ACADEMIC YEAR 2021/2022**

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 : IT114

DATE: SATURDAY 1ST, OCTOBER 2022

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.**
- (vi) DO NOT write on this question paper.**

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- A) <script> B) <style> C) <link> D) all of the above
14. Which of the following attribute specifies the URL of the linked resource?
A) src B) link C) rel D) href
15. 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.
16. By applying an _____ a style can be applied to just a single tag.a
A) class rule B) element rule
C) id rule D) none of the mentioned
17. The _____ attribute is used to define the name(s) of the class(es) to which a particular tag belongs.
A) class B) element C) id D) none of the mentioned
18. What will be the output of below mentioned code snippet?
P strong {background-color:yellow;}
A) Strong have yellow background
B) Strong element within a p element have a yellow background
C) Both p and strong have yellow background
D) None of the mentioned
19. HTML is what type of language?
A) Scripting Language B) Markup Language
C) Programming Language D) Network Protocol
20. Apart from tag, what other tag makes text bold ?
A) <fat> B) C) <black> D) <emp>
21. Which of the following is not Unordered List Types
A) <ul type="square"> B) <ul type="disc">
C) <ul type="circle"> D) <ul type="rectangle">
22. Which of the following is not a file extension.
A) .html B) .css C) .txt D) .npt
23. Which of the following is not an image file
A) flower.jpg B) flower.jpeg
C) flower.gjp D) flower.gif
24. Which is the correct tag for inserting an image without a border and Height 100% and Width 100%
A)
B)
C)
D)

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25. Which of the following is not link
- A) ` Tizag Home `
 - B) `Epsn Home`
 - C) `Tizag logo`
 - D) `tizag home`
26. Which organisation is in charge of web standards
- A) W3C
 - B) WWW
 - C) Http
 - D) W3C Schools
27. Which of the following links to other pages within the website domain.
- A) `...`
 - B) ``
 - C) ``
 - D) `< href="#">`
28. Which is the default name for a website.
- A) Index.html
 - B) home.html
 - C) default.html
 - D) None of these
29. Which type of selector is that
- ```
h1, h2, h3 {
 color: #36C; font-weight: normal; letter-spacing: .4em;
 margin-bottom: 1em; text-transform: lowercase;
}
```
- A) Grouping Selector
  - B) Descendant Selectors
  - C) Class selectors
  - D) None of these
30. Which type of selector is that
- ```
h1.black {
    color: #000000;
}
```
- A) Grouping Selector
 - B) Descendant Selectors
 - C) Class selectors
 - d) None of these
31. Which type of style sheet uses this link `<link rel="stylesheet" href="mystyle.css">`
- A) Internal
 - B) External
 - C) Inline
 - D) Body
32. Difference Between Hypertext and Hyperlink. **(4 marks)**
33. Clearly explain the difference between HTML and CSS **(4 marks)**
34. Difference between cellpadding and cellspacing. **(4 marks)**

SECTION B

Attempt Any Three Questions

Question 1

- (a) Define the following terms with an example of each **(10 marks)**

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- (i) tag
 - (ii) Webpage
 - (iii) text editor
 - (iv) Internet Service Provider
 - (v) Browser
- (b) Define Cascading Style Sheets (CSS). **(2 marks)**
- (c) Describe any **two** benefits of (CSS) **(4 marks)**
- (d) Explain any **two** types of style sheets. **(4 marks)**

Question 2

Using html code create the following page

- (a) Add the following text to the page as a header. **(1 mark)**

Augmented Analytics

- (b) Add the text below as a paragraph **(6 marks)**

Data is useless to an organisation unless the organisation can extract meaningful insights from it. The inability to glean (gather) insights from data has many businesses, especially small- and medium-sized organisations, struggling to figure out how to use data effectively. Without data scientists on staff or available to interpret data and turn the intel into solid business activity, the benefits of data could remain unlocked. This situation will change with augmented analytics.

- (c) **Augmented Analytics** should be displayed using html code that displays the **Largest Heading, Bold, Centred** **(3 marks)**
- (d) Generate html code that inserts an image **logo.jpg** before ***Data is useless***..... **(1 mark)**
- (e) Add alternative text "**BIGDATA LOGO**" to the image incase it fails to display. **(1 mark)**
- (f) Add the following text to the page as a new paragraph. **(1 mark)**

Augmented analytics describes the process where data is automatically taken from raw data sources, scrubbed and analysed in an unbiased manner, and communicated in a report using natural language processing that humans can understand. Thanks to machine learning, augmented analytics looks for patterns in the data or discovers other valuable insights without the involvement of data scientists. This analysis can then be shared with human team members. Since the reporting is easy to understand for non-technical people, individuals in an organisation don't need to wait for an intermediary tech professional to interpret what the machine saw in the data.

- (g) Add a link as paragraph after the above text. File name is ***secondpage.html*** **(1 mark)**
- (h) Add the following content at the end of the page **(1 mark)**

Benefits of augmented analytics

(2 marks)

There are many benefits of augmented analytics for an organisation, including:

- (a) IT and data professionals are freed up to focus on strategic matters and special projects.
- (b) Since machines can efficiently analyse myriad data sources and combinations augmented analytics allows for more in-depth data analysis.
- (c) Augmented analytics simplifies data analysis making it easier to get to actionable insights.
- (d) More individuals in an organisation become data focused and empowered by data since it becomes a part of their everyday activity and not just reserved for the data professionals.

- (i) Add the following text as a **footer** in the page.

(1 mark)

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- (j) Use the file name **index** to save the **text file** and **webpage**.

(2 marks)

Question 3

Using Question 2

Create an **External Style Sheet** file and do the following:

- (i) Format **h1** to **14pt, Verdana, Geneva, Arial, Helvetica, Sans-serif Bold, line height 20pt** **(3 marks)**
- (ii) The header should be **BOLD** with **COLOR #593D87** **(2 marks)**
- (iii) The **BODY** should have **(5 marks)**
 - (a) **fontsize of 10pt,**
 - (b) **Fontfamily of Verdana, Geneva, Arial, Helvetica, sans-serif;**
 - (c) **color blue**
 - (d) **lineheight 14pt;**
 - (e) **padding-left 5pt, padding-right 5pt, padding-top 5pt**
- (iv) The footer should have **(3 Marks)**
 - (a) **underline**
 - (b) **textalignment: right;**
 - (c) **padding-bottom 30pt;**
- (v) Use the file name styles to save the file as a **css** file **(1 mark)**
- (vi) Link the file to the html page **(1 mark)**
- (vii) Create a style that removes **underline** from a link **(1 mark)**
- (viii) Change **H1** heading to **uppercase letters**, and text in **<p>** to **capitalized** letters. **(2 marks)**
- (ix) Align the image **"BIGDATA LOGO"** to the **CENTRE** **(2 marks)**

Question 4

- (i) Use html code to generate the following: **(7 marks)**

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

- (ii) Give the table the following attributes:

border of "3"

(3 marks)

bordercolor "#CC0066"

backgroundcolor "#006666"

- (iii) **Colspan** the cell with **Kharim Ibrahim** to "3" **(2 marks)**
 (iv) **Rowspan** the cell with **Ramesh Raman** to "3" **(2 marks)**
 (v) Change the table **width** to "450" and **height** to "150" **(2 marks)**
 (vi) Put this text before the table. **THIS IS THE CAPTION** **(2 marks)**
 (vii) Change the above text to **bold** and **center** **(2 marks)**

Question 5

- (a) Create a webpage with the following text and save it as **text file** and **html file** **(10 marks)**

Mary L. Lanigan

Dr. Lanigan is a four-time ISPI Award of Excellence winner for her evaluation research (1999), book (2001) and CD training workshops (evaluation CD in 2005 and performance technology CD in 2007). As an Associate Professor at Governors State University, she teaches various performance improvement classes and is the recipient of three Faculty Excellence awards. Dr. Lanigan has presented papers at national and regional conferences sponsored by the International Society of Performance Improvement and the American Society of Training and Development. She has written articles for Performance

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Improvement, Performance Improvement Quarterly, The Journal of Insurance Trainers and Educators, and the International Journal of Intercultural Relations. Her doctorate is from Indiana University, specifically, the Instructional Systems Technology program and her Masters degrees are in Educational Psychology, Communication, and Instructional Systems Technology.

Address:

Department of Communication & Training
College of Arts and Sciences
Governors State University
University Park, Illinois 60466

Professional Experiences:

Professor/Governors State University
Trainer/Publishers Circulation Fulfillment
Trainer/First Midwest Bank

Educational Background:

Ph.D., Instructional Systems Technology, Indiana University
M.S., Instructional Systems Technology, Indiana University
M.S., Educational Psychology, Indiana University
M.S., Communication, Illinois State University
B.A., Speech Communication, University of Illinois, Champaign-Urbana

Important Links Regarding Performance Improvement

To learn more information about earning a degree in instructional design and training (also known as performance improvement or performance technology), click on the links below.

To obtain specific information such as class syllabi, plan of study examples and more, then go to: [Human Performance and Training](#)

To obtain specific information about admissions and fees, then go to: [Governors State University](#)
Perhaps a video on instructional design can be inserted.

Top five things you should know about performance technology:

- The goal of the field is to raise employees' performances to optimal levels.
- To determine if the goal has been met, performance technologist must compare the benchmarks of optimal performance to what is actually happening on the job.
- After comparing the benchmarks to actual performance, performance technologists determine gaps, causes, and solutions.
- The solutions implemented will be training and/or non-training interventions.
- All interventions are evaluated and matched back to the benchmarks to see if the solutions enhanced employees' performances back to optimal levels.

If you have questions about the field or the graduate program at Governors State University, contact [Dr. Lanigan](#).

- (b) Make all headings appear in red colour. **(3 marks)**
(c) All underlined text should appear as hyperlinks. **(3 marks)**
(d) Change this text to the largest heading size: **Mary L. Lanigan** **(2 marks)**
(e) The rest of the headings should have the second level heading **(2 marks)**