



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMPUTING AND INFORMATICS

DEPARTMENT OF INFORMATICS

QUALIFICATION : BACHELOR OF GEOFORMATION TECHNOLOGY, BACHELOR OF ENTREPRENEURSHIP	
QUALIFICATION CODE: 07BENT,07BGEI	LEVEL: 5
COURSE CODE: WDF521S	COURSE: WEB DEVELOPMENT FUNDAMENTALS
DATE: JANUARY 2024	SESSION: 2
DURATION: 3 HOURS	MARKS: 80

SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MR. NKULULEKO MTHEMBO
MODERATOR:	MR. SIMON MUCHINENYIKA

**THIS EXAMINATION PAPER CONSISTS OF 10 PAGES
(INCLUDING THIS FRONT PAGE)**

Instructions for the students

- 1. There are two Sections in this paper, Section A and Section B**
- 2. Answer ALL the questions in All Sections**
- 3. Write clearly and neatly**
- 4. Number the answers clearly.**

SECTION A Multiple choice Questions

[30 marks]

Write down the correct letter to represent the correct choice

1. A network that is geographically dispersed and may use some form of public or commercial communications network is called a(n):
 - a. LAN.
 - b. WAN.
 - c. Internet.
 - d. WWW.

2. A domain name is a unique text-based Internet address corresponding to a unique _____.
 - a. IP address.
 - b. domain name.
 - c. URL.
 - d. user name.

3. The ____ protocol is a set of rules that controls how data is sent between computers on the Internet.
 - a. HTTP.
 - b. IP.
 - c. TCP.
 - d. FTP.

4. Select the item below that lists the top level domain name for the URL

http://www.yahoo.com.

- a. http
 - b. www
 - c. yahoo
 - d. com .
5. Select the main reason for the initial development of the World Wide Web from the list below:
- a. To allow companies to advertise over the Internet.
 - b. To allow companies to conduct commerce over the Internet
 - c. To allow communication between researchers and links between research papers
 - d. none of the above
6. Select the true statement from the list below.
- a. When a domain name ends in *.com* it indicates that it is a computer company.
 - b. A country code domain name can only be owned by someone who resides in that country.
 - c. Only non-profit organizations can purchase a *.org* domain name
 - d. None of the statements above are true.

7. _____ is a set of rules for exchanging files such as text, graphic images, sound, video, and other multimedia files on the Web.
- a. IP
 - b. TCP
 - c. FTP
 - d. HTTP
8. What tag pair is used to create the largest heading?
- a. `<h1> </h1>`
 - b. `<h9> </h9>`
 - c. `<h type="smallest"> </h>`
 - d. `<h6> </h6>`.
9. What type of HTML list will automatically place a number in front of the items?
- a. numbered list
 - b. ordered list
 - c. unordered list
 - d. definition list
10. Choose the best-designed link from below.
- a. `Click to read our important news!`
 - b. `Click to read our important news!`
 - c. `Important News`
 - d. `Click here to read our important news`

11. Consider _____ when designing for display on a mobile device.
- a. small screen size
 - b. font size
 - c. contrast
 - d. all of the above
12. When CSS is coded in the body of the web page as an attribute of an HTML tag it is called _____.
- a. Embedded
 - b. Inline
 - c. External
 - d. Imported
13. Select the three most common methods of organizing websites.
- a. horizontal, vertical, and diagonal
 - b. hierarchical, linear, and random
 - c. accessible, readable, maintainable
 - d. none of the above
14. Applying the design principle of _____ serves to add visual interest and draw attention.
- a. linear
 - b. proximity
 - c. contrast
 - d. alignment

15. A _____ is a sketch or blueprint of a web page that shows the structure (but not the detailed design) of basic page elements such as the logo, navigation, content, and footer.
- a. site map
 - b. wireframe
 - c. drawing
 - d. hierarchy
16. . When applying the design principle of _____ related items are grouped together.
- a. linear
 - b. proximity
 - c. repetition
 - d. alignment
17. Use the _____ tag pair to begin and end a table row.
- a. `<td> </td>`
 - b. `<tr> </tr>`
 - c. `<table> </table>`
 - d. none of the above
18. Which of the following CSS properties positions the caption of a table?
- a. `caption`
 - b. `caption-side`
 - c. `thead`
 - d. `spacing`

19. Select the HTML tag below that configures a button that, when clicked, will automatically reset form fields to their default values.

- a. `<input type="Submit">`
- b. `<button type="reset">Reset</button>`
- c. `<input type="button" value="Reset" >`
- d. both a and b

20. The purpose of the _____ is to configure a label for a `<fieldset>`.

- a. `<label>`
- b. `<p>`
- c. `<form>`
- d. `<legend>`

21. Use an id to configure a style when:

- a. the style could apply to more than one element on a page.
- b. the style will apply to only one element on a page.
- c. the style is used for all elements on a page.
- d. None of the above.

22. The CSS universal selector is indicated by which of the following symbols?

- a. %
- b. #
- c. ?
- d. *

23. The _____ purpose of the element is to describe the contents of a table.

- a. <summary>
- b. <caption>
- c. <title>
- d. <source>.

24. Use the _____ tag pair to configure a table head row group.

- a. <thead> .. </thead>
- b. <tgroup> .. </tgroup>
- c. <tbody> .. </tbody>
- d. <tfoot> .. </tfoot>

25. Choose the best answer below to the following question: Is the following CSS code valid?

```
{ border: 2px #000000 solid;  
  border-spacing: 0;  
}
```

- a. Yes.
- b. No, there is no border-spacing property.
- c. No, there is no border property.
- d. No, 0 is not a valid value for the border-spacing property.

For each of the following state if it is True or False.

26. The CSS border-spacing property can be used to configure the horizontal and vertical spacing of table borders.

27. The CSS vertical-align property can be used to configure the vertical alignment of the contents of a table cell.

28. The title element configures large, bold text at the beginning of the web page document.
29. Web pages have two sections: a head and a body.
30. The content that displays in the browser is contained in the body section.

Section B**Structured Questions****[50 marks]****Question One****[10 marks]**

State and explain two different types of Cascading Style Sheets (CSS) that one can use. In your explanation write some sample code to show the differences.

Question Two**[30 marks]**

Write the HTML Code that will create the table below

Flight Schedule

Flight Number	Date	Departure	Arrival
SAA120	05/10/21	10:00am	11:45am
	11/10/21	18:00pm	20:30pm
	<i>HKI Airport-WHK- Namibia- O.R Tambo JHB- South Africa</i>		
SAA750	12/10/21	8:00am	11:00am
	13/10/21	15:00pm	17:30pm
	<i>HKI Airport- WHK-Namiba - CPT Airport-South Africa</i>		

Question Three**[10 marks]**

Analyse the code below and make a sketch of the expected output.

```

<fieldset><legend>Customer Information</legend>
  <label>Name:
  <input type="text" name="CName" id="CName" size="30"></label>    <br><br >
  <label>Email:
  <input type="text" name="CEmail" id="CEmail"></label>
<br><br>
<input type="submit" value="Sign Me Up!"> <input type="reset">
</fieldset>
</form>

```

###[END OF EXAM]###