NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Faculty of Computing and informatics

Department of Informatics

QUALIFICATION: Bachelor of Informatics, Bachelor of Computer Science, Bachelor of Geo-Information Technology, Bachelor of Entrepreneurship	
QUALIFICATION CODE: 07BAIF,07BACS, 07BGIT, 07BENT	LEVEL: 5
COURSE: Web Development Fundamentals	COURSE CODE: WDF521S
DATE: January 2019	SESSION: 2
DURATION: 3 Hours	MARKS: 100

SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
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THIS QUESTION PAPER CONSISTS OF 7 PAGES
(Excluding this front page)

INSTRUCTIONS

1. Answer ALL the questions.
2. Write clearly and neatly.
3. Number the answers clearly.

Section A: Multiple choice   [20 Marks]
Choose one correct answer

1. What is the correct HTML element for inserting a line break?
   a) <space>
   b) <break>
   c)
   d) <lb>

2. Which character is used to indicate an end tag?
   a) ^
   b) <
   c) *
   d) /

3. Choose the correct HTML element for the largest heading:
   a) <heading>
   b) <head>
   c) <h1>
   d) <h6>

4. Choose the correct HTML element to define emphasized text
   a) <italic>
   b) <em>
   c) All of the above
   d) <i>

5. Which section is used for text and tags that are shown directly on your web page?
   a) Body
   b) Metatags
   c) Main
   d) Head

6. What is the correct HTML for creating a hyperlink?

a) Nust

b) <a>http://www.nust.na

c) Nust

d) Nust

7. Which of the following is true for HTML <Table> element?

a) Contains a table row

b) Contains a table cell

c) Contains the table

d) Configures a description of the table

8. How can you make a bulleted list?

a)

b) <list>

c)

d) <dl>

9. What is the correct HTML for inserting an image?

a) <img href="image.gif" alt="MyImage">

b) <image src="image.gif" alt="MyImage">

c) <img src="image.gif" alt="MyImage">

d) <img alt="MyImage">image.gif</img>

10. Which HTML element is used to specify a footer for a document or section?

a) <foot>

b) <bottom>

c) <section>

d) <footer>

11. Which HTML element defines navigation links?

a)

b) <nav>

c) <navigate>

d) none of the above

12. Which HTML element is used to specify a header for a document or section?

a) <header>

b) <head>

c) <top>

d) all of the above

13. The following is component of CMS?

a) WYSIWYG Editors

b) Search

c) Upgrades and Updates

d) All the above

14. Select the true statement from the list below.

a) A country code domain name can only be owned by someone who resides in that country.

b) None of the statements above are true

c) Only non-profit organizations can purchase a .org domain name

d) When a domain name ends in .com it indicates that it is a computer company.

15. A domain name is a unique text-based Internet address corresponding to a unique _____.

a) domain name

b) URL

c) IP address

d) Website

16. Which of the following tags is NOT a <Form> element attribute?

a) Action

b) Post

c) Method

d) None of the above

17. The purpose of the _____ protocol is to ensure the integrity of the communication.

a) TCP

b) HTTP

c) IP

d) FTP

18. New Top Level Domains (TLDs) are coordinated by

a) TCP

b) no one, because anyone can add a TLD to the Domain Name System

c) W3C

d) ICANN

19. Which of the following is a valid <textarea> element attribute?

a) rowspan

c) span

d) rows

e) None of the above

20. Which of the following is NOT a publisher's role?

a) Everything a creator can do

b) Determine if content should be published

c) They can publish immediately

d) Keeping the CMS up to date

Section B: Discussion [40 Marks]

1. Define the following terms in relation to web development: [10 Marks]

   a) <Div> element **(2 marks)**

   b) Wireframe **(2 Marks)**

   c) CSS validation **(2 Marks)**

   d) <Link> element **(2 Marks)**

   e) Character entities **(2 Marks)**

2. Good website design contributes to the usability of a website. The following questions relate to web design principles and guidelines: [15 Marks]

   a) Mention and explain any two website accessibility design guidelines. **(4 Marks)**

   b) What are two easy ways to make your site visually appealing? **(2 Marks)**

   c) What is responsive web design and how would you achieve it? **(4 Marks)**

   d) Hierarchical website organisation is often used for commercial and corporate websites. Why is it so and what are some considerations one need to keep in mind when using a hierarchical website organisation? **(3 Marks)**

   e) Give any two principles of information security? **(2 Marks)**

3.   CSS(Cascading Style Sheets) provide different techniques for website styling and when used properly can greatly enhance the appearance and functionality of a website. The following questions are in relation to CSS.   **[15 Marks]**

a) What are the three types of CSS. **(3 Marks)**

b) Differentiate between the style element and the style attribute. **(4 Marks)**

c) What are the four different types of CSS selectors? **(4 Marks)**

d) Give any four advantages of using CSS. **(4 marks)**

Section C: HTML and CSS   [40 Marks]

1. Write the HTML code to display the following HTML elements: [16 Marks]

   a) Green heading **(3 Marks)**

   b) Image **(3 Marks)**

   c) Unordered list with one item **(4 Marks)**

   d) Password input **(3 Marks)**

   e) Button **(3 Marks)**

2. Write the HTML code to create the HTML table displayed below. Use embedded CSS for styling.   **[24 Marks]**

Course Information

Faculty	Course	Year
Languges	English	First
Computing	Programming	Second
Education	Research	Fourth

End of Paper