ПΑMIBIΑ UПIVERSITY
OF SCIEПCE AПD TECHПOLOGY

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 2020	**SESSION:** 2
DURATION: 3 Hours	**MARKS:** 100

	SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER
EXAMINERS:	Ms Helena Nahum Ms Irja Shaanika Mr Nkululeko Mthembo Ms Sinte Mutelo Mr Veerab Paduri Mr Gabriel Nhinda
MODERATOR:	Mr Simon Muchinenyika

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

THIS QUESTION PAPER CONSISTS OF 7 PAGES (Excluding this front page)

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

1. Which method will send form data via the URL?
a) get
b) post
c) action
d) a and b

2. Which one of the following defines a CSS id selector, NEW:
a) NEW {...}
b) #NEW {...}
c) . NEW {...}
d) all of the above

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

4. Which one of the following is the benefit of wireframe?
a) Make planning more costly
b) Minimize rework and revision
c) Facilitate developers' feedback
d) Minimize collaboration

5. An introductory web page that appears when you first open your browser.
a) Web page
b) Web browser
c) Web hosting
d) Home page

6. _____is a set of styles for a link when the user place the mouse pointer over it.

a) a:hover

b) a:link

c) a:visited

d) a:active

7. Choose the correct HTML element for the largest heading:

a) <heading>

b) <head>

c) <h1>

d) <h6>

8. Choose the correct HTML element to define emphasized text

a) <italic>

b) <em>

c) All of the above

d) <i>

9. Which section is used for text and tags that are shown directly on your web page?

a) Body

b) Metatags

c) Main

d) Head

10. 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

11. How can you make a bulleted list?
a)
b) <list>
c)
d) <dl>

12. 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>

13. Which HTML element defines navigation links?
a)
b) <nav>
c) <navigate>
d) none of the above

14. 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

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. Which of the following is a block-level element by default?

a)

b) <img>

c) <a>

d) <span>

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

a) rowspan

b) span

c) rows

d) 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   **[50 Marks]**

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

     a) Authorization   **(2 Marks)**

     b) Security threat   **(2 Marks)**

     c) Internet protocol (IP)   **(2 Marks)**

     d) <div>   **(2 Marks)**

     e) CMS(Content Management System)   **(2 Marks)**

2.   The following questions are in relation to CMS(Content Management System):

                                                           [11 Marks]

    a) List any five CMS components or features   **(5 Marks)**

    b) Mention and explain three factors that you may take into consideration when selecting a CSM(Content Management System).   **(6 Marks)**

3.   The following questions are in relation to information security: **[12 Marks]**

    a) Mention and describe any four security threats?   **(8 Marks)**

    b) Mention any four ways you can guarantee business continuity in the event of a security attack.   **(4 Marks)**

4.   The following questions are in relation to CSS(Cascading Style Sheets):

[17 Marks]

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

b) What are the three types of CSS?   (3 Marks)

c) List any five CSS selectors?   (5 Marks)

d) Give any five benefits of using CSS.   (5 Marks)

Section C: HTML application   [30 Marks]

1. For each type of CSS you mentioned in question 4.b) section B, write the code to indicate how you would use each type to make the background of the entire page yellow.   **[12 Marks]**

2. Study the registration Form below. Write the HTML code for achieving the resulting HTML form. Include all necessary tags to ensure that your HTML file is complete and valid.   **[18 Marks]**

┌─ Registration Form: ──┐
│ First name: │
│ ┌──────────────────┐   │
│ └──────────────────┘   │
│ Last name: │
│ ┌──────────────────┐   │
│ └──────────────────┘   │
│ Email: │
│ ┌──────────────────┐   │
│ └──────────────────┘   │
│ Birthday: │
│ ┌──────────────────┐ ┌──────────┐   │
│ │ dd/mm/yyyy   │ │ Register │   │
│ └──────────────────┘ └──────────┘   │
└──┘

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