UGANDA MARTYRS UNIVERSITY NKOZI, LUBAGA, MASAKA CAMPUS

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION SYSTEMS

COURSE CODE BIT 1101 COURSE NAME: WEB DEVELOPMENT TECHNOLOGIES

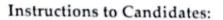
FINAL ASSESSMENT

ACADEMIC YEAR 2023/2024 SEMESTER 1

BSCS 1, BSIT 1

Date of Examination: 7/12/2023

Time allowed: 3 hours (09:30am - 12:30pm)



Read the following before answering the examination questions.

- 1) Do not write anything on this question paper.
- 2) Attempt all questions in Section A and B
- Show all the necessary workings
- 4) Section B is practical and the codes are expected to be submitted via email

Section A [20 Marks]

1	. What does HTML stand for?
	A) Hyperlink and Text Markup Language
	B) HyperText Markup Language
	C) HighLevel Text Markup Language
	D) Hyper Transfer Markup Language
2	. Which tag is used to define an unordered list in HTML?
	A)
	B)
	C)
	D) <dl></dl>
3	. In CSS, what property is used to set the background color of an element?
	A) color
	B) background-color
	C) text-color
	D) bgcolor
4	. What does the acronym CSS stand for?
	A) Computer Style Sheets
	B) Creative Style Sheets
	C) Cascading Style Sheets
	D) Colorful Style Sheets
5	5. Which type of JavaScript language is?
	A) Object-oriented
	B) Object-based
	C) Functional programming
	D) All of the above
(6. In JavaScript, what is the purpose of the typeof operator?

- A) To check if a variable is defined
- B) To determine the data type of a value
- C) To assign a new type to a variable
- D) To convert a string to a number
- 7. What is the correct way to include an external JavaScript file in an HTML document?
 - A) <script src="script.js"></script>
 - B) <js src="script.js"></js>
 - C) <include src="script.js"></include>
 - D) <javascript file="script.js"></javascript>
- 8. Which CSS property is used to specify the font size of text?
 - A) font-size
 - B) text-size
 - C) font-style
 - D) text-style
- 9. What is the purpose of the <div> tag in HTML?
 - A) To define a hyperlink
 - B) To define a division or a section in a document
 - C) To create an ordered list
 - D) To style text content
- 10. Which Bootstrap class is used to create a responsive, fixedwidth container?
 - A) .containerfluid
 - B) .containerfixed
 - C) .containerresponsive
 - D) .container
- 11. What does the acronym API stand for in the context of web development?

A) Application Programming Interface
B) Advanced Programming Interface
C) Automated Programming Interface
D) Application Protocol Interface
12. In JavaScript, what does the === operator do?
A) Compares values for equality without type conversion
B) Assigns a value to a variable
C) Performs a strict type conversion
D) Checks if a variable is defined
13. Which HTML tag is used to create a hyperlink?
A) <link/>
B) <a>
C) <hlink></hlink>
D) <url></url>
14. What is the purpose of the CSS box-sizing property?
A) To set the size of a box in pixels
B) To control the spacing between elements
 C) To include or exclude an elements padding and border in its total width and height
D) To define the shape of a box
15. Which JavaScript function is used to display a dialog box with a specified message and an OK button?
A) alert()
B) confirm()
C) prompt()
D) message()
16. What is the purpose of the HTML <head> element?</head>

- A) To define the main content of a web page
- B) To specify the metadata of a document, such as title and linked stylesheets
 - C) To create a navigation menu
 - D) To format text content
- 17. In Bootstrap, which class is used to create a responsive navigation bar?
 - A) .navbar
 - B) .nav
 - C) .navigation
 - D) .navbarresponsive
- 18. Which CSS property is used to control the space between elements within a box?
 - A) margin
 - B) padding
 - C) spacing
 - D) borderspacing
- 19. What is the purpose of the HTML <meta> tag?
 - A) To define a paragraph of text
 - B) To create a meta description for search engines
 - C) To set the font size of text
 - D) To define a meta link to an external resource
- 20. In which HTML element, we put the JavaScript code?
 - A) <javascript>...</javascript>
 - B) <js>...</js>
 - C) <script>...</script>
 - D) <cs>>...</cs>

SECTION B [80 Marks]

You are a web developer hired by a JBLabs that specializes in social media branding. One of your clients, a sustainable lifestyle influencer named Sheila Pink, seeks your expertise to create a visually appealing profile page that aligns with her lifestyle brand. Sarah aims to engage her audience by providing a captivating profile layout showcasing her dedication to fashion (you can as well borrow some ideas from facebook or twitter profile page or be creaivity).

Evaluation Criteria:

- 1. Completeness and functionality of the page 50 marks
- 2. Overall design, layout, and visual appeal 10 marks
- 3. Implementation of JavaScript interactivity 5 marks
- 4. Responsiveness and adaptability to different devices 5 marks
- 5. Use of GitHub for version control and share your link- 10 marks

Note: Students are expected to work in a folder that contains their Name, Registration number and Campus (Ssekamata_Joseph_2023-B071-2000_Masaka). Submit to emirembe@umu.ac.ug (Rubaga and Nkozi) and bkasozi@umu.ac.ug (Masaka campus)

The entire project folder should contain all HTML, CSS, JavaScript, and any additional assets (images, if used).