

SECTION A

Multiple Choice Question

Attempt all questions

(1 × 30 = 30)

1. What is the purpose of the “DOCTYPE” declaration in HTML?
 - a) **To define the document type and HTML version**
 - b) To link external CSS
 - c) To include JavaScript
 - d) To specify the charset
2. Which HTML tag is used to create a drop-down list?
 - a) `<dropdown>`
 - b) **`<select>`**
 - c) `<list>`
 - d) ``
3. What does CSS stand for?
 - a) Computer Style Sheets
 - b) Colorful Style Sheets
 - c) Creative Style Sheets
 - d) **Cascading Style Sheets**
4. Which property is used to change the font of an element in CSS?
 - a) font-style
 - b) **font-family**
 - c) font-weight
 - d) font-size
5. What is the correct HTML element for inserting a line break?
 - a) `<lb>`
 - b) **`
`**
 - c) `<break>`
 - d) `<newline>`
6. Which CSS property controls the text size?
 - a) font-style
 - b) text-size
 - c) **font-size**

- d) text-style
7. Which HTML attribute is used to define the inline frame (iframe)?
- a) **`src`**
 - b) `href`
 - c) `link`
 - d) `target`
8. What is the purpose of the `` element in HTML?
- a) **To create an interactive form for user input**
 - b) To link external CSS files
 - c) To create a table layout
 - d) To display multimedia content
9. Which CSS property is used to control the layout of a web page?
- a) **display**
 - b) layout
 - c) visibility
 - d) float
10. Which HTML tag is used to define an unordered list?
- a) `
`
 - b) **``**
 - c) ` - `
 - d) `
`
11. Which CSS property is used to create space between the border and the content inside an element?
- a) margin
 - b) spacing
 - c) **padding**
 - d) border-spacing
12. Which HTML element is used to specify a section that contains navigation links?
- a) **`<nav>`**
 - b) `

`
 - c) ``
 - d) ``
13. What does the term "Internet" refer to?
- a) A private network within an organization

- b) **A global network connecting millions of private, public, business, and government networks.**
 - c) A collection of web pages
 - d) None of the above
14. Which CSS property is used to set the spacing between lines of text?
- a) spacing
 - b) **line-height**
 - c) text-height
 - d) line-spacing
15. What is an intranet?
- a) A network connecting multiple organizations
 - b) **A private network within an organization**
 - c) A global network connecting millions of private, public, academic, business, and government networks
 - d) A type of web server
16. Which HTML attribute is used to provide alternative text for an image?
- a) **alt**
 - b) title
 - c) src
 - d) description
17. Which CSS property can be used to make text bold?
- a) **font-weight**
 - b) font-style
 - c) font-family
 - d) text-bold
18. What is the main focus of functionality testing?
- a) Checking the website's look and feel
 - b) **Verifying if all features work as expected**
 - c) Testing website speed and response time
 - d) Ensuring compatibility across browsers
19. What does web accessibility ensure?
- a) Only designers can access the website
 - b) **Everyone, including people with disabilities, can use the web easily**
 - c) Websites load faster on all devices

- d) Only people with high-speed internet can access websites
20. What does the `` element with the `type="submit"` attribute do in an HTML form?
- a) Resets the form
 - b) Submits the form data to the server**
 - c) Validates the form
 - d) Cancels the form submission
21. Which HTML tag is used to define a hyperlink?
- a) ``
 - b) ``**
 - c) ``
 - d) ``
22. What is the default display value of the `

` element in HTML?
- a) inline
 - b) block**
 - c) inline-block
 - d) flex
23. Which CSS property is used to hide an element without deleting its space?
- a) display: none;
 - b) visibility: hidden;**
 - c) opacity: 0;
 - d) hide: true;
24. What does the `action` attribute in the `` tag specify?
- a) The URL where the form data should be sent
 - b) The HTTP method to be used when submitting the form**
 - c) The encoding type of the form data
 - d) The name of the form
25. Which HTML element is used to define a clickable button?
- a) ``
 - b) ``**
 - c) ``
 - d) ``
26. What is the purpose of the CSS “z-index” property?
- a) To change the text color
 - b) To change the stacking order of elements**

- c) To define the background color
 - d) To set the font size
27. Which CSS property is used to control the flow of text around an image?
- a) wrap
 - b) float**
 - c) clear
 - d) overflow
28. What does the `<input>` element with the `type="password"` attribute do?
- a) Masks the input so that the characters are not visible**
 - b) Encrypts the input before submitting the form
 - c) Validates the input as a password
 - d) Highlights the input field
29. Which HTML tag is used to define a table cell?
- a) `<table>`
 - b) `<tr>`
 - c) `<td>`**
 - d) `<th>`
30. Which of the following is a self-closing tag in HTML?
- a) `<div>`
 - b) ``
 - c) ``**
 - d) `<p>`

SECTION B

Short Answer Question

Attempt any five (5) questions

(6 × 5 = 30)

1. What is a search engine? Explain its working process in detail. **(Unit 1: An Overview of the Internet and the Web)**
2. Explain the difference between block-level and inline-level elements in HTML. **(Unit 3: Website Structure Design & Unit 9: Style Sheet and Controlling Page)**
3. Describe the box model in CSS and its components. **(Unit 9: Style Sheet and Controlling Page)**
4. Explain what a sitemap is in web development. Design a sitemap for an e-commerce website. **(Unit 2: Website Development Process)**
5. Explain the purpose and usage of the ``<form>``, ``<input>``, and ``<label>`` elements in HTML with example. **(Unit 10: Form Design)**
6. Explain three common webpage layout types and their uses. Give a brief description of each layout. **(Unit 5: Webpage Layout)**
7. Explain the difference between User Interface (UI) and User Experience (UX). Why are both important in web design? **(Unit 8: User Interface Design)**
8. Explain the importance of website testing and describe any four types of testing used to ensure a website's quality. **(Unit 12: Website Testing Introduction)**

SECTION C

Long Answer Question

Attempt any two (2) questions

(20 × 2 = 40)

1. Describe the complete website design and development process, starting from the initial concept through to testing and final implementation. In your answer, include key considerations for user experience (UX), interface design (UI), and content strategy, and explain the roles of wireframes and prototypes. Support your explanation with relevant examples. **(Unit 2: Website Development Process, Unit 3: Website Structure Design, Unit 8: User Interface Design, Unit 12: Website Testing Introduction)**
2. Explain the steps involved in creating a basic web page using HTML and CSS. Include an example of a simple portfolio website. Your page must include proper structure, code, and comments, including all header, navigation bar, body, and footer sections, along with the required CSS. **(Unit 3: Website Structure Design, Unit 4: Website Design Principle, Unit 5: Web Page Layout, Unit 6: Color and Graphics on the Web, Unit 9: Style Sheet and Controlling Page)**
3. Discuss the key principles of effective website design, emphasizing the role of accessibility in creating inclusive web experiences. Explain how usability and accessibility testing contribute to ensuring a high-quality website. Include examples of design considerations, accessibility techniques, and testing methods that improve the overall user experience. **(Unit 4: Website Design Principle, Unit 11: Website Accessibility, Unit 12: Website Testing Introduction)**