



Roll No:

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BTECH
(SEM V) THEORY EXAMINATION 2024-25
WEB DESIGNING

TIME: 3 HRS

M.MARKS: 100

Note: Attempt all Sections. In case of any missing data; choose suitably.

SECTION A

1. Attempt all questions in brief. 2 x 10 = 20

Q no.	Question	CO	Level
a.	What is the importance of planning in web development?	1	2
b.	Name any two types of heading tags in HTML and their usage	1	2
c.	How is an image added to a webpage in HTML?	2	2
d.	What is the difference between ordered and unordered lists in HTML?	2	2
e.	How can you create a navigation bar using CSS?	3	2
f.	What is an image sprite in CSS, and why is it used?	3	2
g.	What is the purpose of a function in JavaScript? Provide an example of how to define and call a function.	4	2
h.	How does the while loop work in JavaScript? Provide an example of its use.	4	2
i.	How can you create email accounts in cPanel?	5	2
j.	What is an FTP client, and how is it used to manage files on a web server?	5	2

SECTION B

2. Attempt any three of the following: 10 x 3 = 30

a.	How does responsive web design improve user experience? Include a discussion on media queries in CSS as part of responsive design.	1	3
b.	Write an HTML document demonstrating the integration of hyperlinks, images, lists, and tables on a single webpage.	2	3
c.	Describe the steps involved in creating a CSS stylesheet. Provide an example of how it is linked to an HTML document.	3	3
d.	Discuss JavaScript loops. Explain the syntax and use cases for for, while, and do-while loops with examples.	4	3
e.	What is on-page SEO optimization? Discuss the essential elements of on-page optimization such as title tags, meta descriptions, and header tags.	5	3

SECTION C

3. Attempt any one part of the following: 10 x 1 = 10

a.	Discuss different types of form controls in HTML, such as text fields, radio buttons, checkboxes, and dropdown lists. Provide examples.	1	2
b.	Explain how the action and method attributes of the <form> tag affect form submission. Include examples of GET and POST methods.	1	2

4. Attempt any one part of the following: 10 x 1 = 10

a.	Explain the process of creating a webpage layout using CSS. Discuss techniques like grids, flexbox, or floats with examples.	2	3
b.	What are the key considerations in designing a website using CSS for a responsive and user-friendly layout?	2	3



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5. Attempt any one part of the following:**10 x 1 = 10**

a.	Discuss the CSS display property. How does it influence the visibility and layout of elements? Include examples.	3	3
b.	What is the role of CSS grouping and dimension properties? Demonstrate their usage with examples.	3	3

6. Attempt any one part of the following:**10 x 1 = 10**

a.	Discuss the scope of variables in JavaScript, including global, local, and block scope. Provide examples.	4	3
b.	Explain the concept of functions in JavaScript. How are named and anonymous functions used? Provide examples.	4	3

7. Attempt any one part of the following:**10 x 1 = 10**

a.	Explain the key practices involved in maintaining a website. Discuss tasks such as regular backups, updates, and monitoring site performance.	5	3
b.	What security measures should be taken to protect a website from cyber threats? Discuss tools and techniques for website security.	5	3

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