**Bahria University, Islamabad Campus Department of Computer Science**

**Final Term Examination**

**Class & Section: BS(CS)-6B Morning (Fall 2024 Semester)**

**Paper Type: Descriptive**

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| Course: | **Web Engineering** | Date: 27/12/2024 |
| Course Code: | SEN-310 | Session: I |
| Faculty’s Name: | Muhammad Ahtesham Noor | Max Marks: 50 |
| Time Allowed: | 2 Hours | Total Pages: (2) |

# INSTRUCTIONS:

1. This is closed book exam. Communication devices and any written material is strictly prohibited.
2. All questions are compulsory.

Student’s Name: Enroll No:

(USE CAPITAL LETTERS)

Question 1: HTML5 and CSS Basics(15 Marks)  
  
Create an HTML5 webpage using the following elements: <head>, <body>, <p>, <table>, <div>, <span>, and <a>.  
b. Apply inline, internal, and external CSS to style the page. Ensure to include the following CSS features:

* Use CSS identifiers (classes and ids).
* Add at least one table with proper styling.
* Apply different styles to text, such as font color, size, and alignment.

# (CLO-2)

Question 2: Responsive Web Design with Bootstrap(10 Marks)  
  
Design a simple responsive webpage using Bootstrap.

* Include a navigation bar, a row of three columns, and a footer.
* Make sure that the layout is responsive, adjusting the content on mobile, tablet, and desktop devices using Bootstrap’s grid system.

# (CLO-4)

Question 3: JavaScript and DOM Manipulation (10 Marks)  
  
A.Write a JavaScript function to validate a form on a webpage (at least one text field and one checkbox). The form should display an alert if the user leaves the text field empty or does not check the checkbox.

B. Using JavaScript, manipulate the DOM to change the background color of a <div> when a button is clicked.

**(CLO-4)**

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Enrollment Number:

Question 4: Server-Side Scripting with PHP/or Any Backend language (15 Marks)  
  
Create a PHP Laravel script that accepts user input from an HTML form (e.g., name and email) and displays a confirmation message upon submission.

Implement Migration in PHP Laravel. create a login page where users enter their credentials upon successful login.

# (CLO-3)

***Best of Luck***

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