# Bahria University, Islamabad Campus Department of Computer Science

**Mid Term Examination**

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

**Paper Type: Descriptive**

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| Course: | **Web Engineering** | Date: 30/10/2024 |
| Course Code: | SEN-310 | Session: I |
| Faculty’s Name: | Muhammad Ahtesham Noor | Max Marks: 20 |
| Time Allowed: | 1.5 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 ( 20 Marks)

1. **HTML5 Structure**
   * **Create an HTML document with a doctype declaration.**
   * **Use appropriate HTML5 tags (<header>, <nav>, <section>, <article>, <footer>, etc.) to structure your content.**
   * **Include a form with at least three fields (e.g., name, email, message) and appropriate input types.**
2. **CSS Styling**
   * **Apply both inline and external CSS styles to your HTML document.**
   * **Use classes and IDs to style various elements (e.g., headers, paragraphs, buttons).**
   * **Ensure that the design is visually appealing (consider font styles, colors, and spacing).**
3. **Responsive Design with Bootstrap**
   * **Integrate Bootstrap into your project by linking to its CDN.**
   * **Use Bootstrap’s grid system to create a responsive layout.**
   * **Ensure that your webpage looks good on mobile, tablet, and desktop screens.**
4. **JavaScript Functionality**
   * **Implement a JavaScript function to validate the form inputs.**
   * **Include client-side validation: check for empty fields and ensure the email input is in the correct format.**
   * **Provide user feedback (e.g., alerts or messages) based on validation results.**

**Deliverables:**

* **Submit a file containing:**
  + **Your HTML file(s) Code**
  + **CSS file(s) Code**
  + **Any JavaScript files (if external) Code**

Page 1 of 2

Enrollment Number:

***Best of Luck***

Page 2 of 2