



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

REG.NO.:

205-36

SCHOOL OF COMPUTER SCIENCE ENGINEERING AND INFORMATION SYSTEMS
CONTINUOUS ASSESSMENT TEST - I
WINTER SEMESTER 2025-2026

SLOT: C1+TC1

Programme Name & Branch : B.Tech (IT)
Course Code and Course Name : BITE304L Web Technologies
Faculty Name(s) : Dr. Vijayan R, Dr. Mareeswari V, Dr. Kavitha B.R
Dr. Usha Preethi P
Class Number(s) : VL2025260503000, 2989, 2995, 2984
Date of Examination : 29.1.2026
Exam Duration : 90 minutes **Maximum Marks: 50**

General instruction(s):

- Answer All Questions
- M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level (1 - Remember, 2 - Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)
- Course Outcomes
- CO1 - Develop interactive and responsive web pages using HTML, CSS and Bootstrap
- CO2- Use JavaScript and JQuery to create dynamic web pages

Q.No	Question	M	CO	BL																												
1.	Write the HTML code to design the below table. <table><caption>Student Grade Report - Semester 1, 2024</caption><thead><tr><th>Student</th><th>Subject</th><th>Mid Term</th><th>Final Term</th><th>Total</th></tr></thead><tbody><tr><td rowspan="2">Alice</td><td>Mathematics</td><td>85</td><td>90</td><td>175</td></tr><tr><td>Science</td><td>78</td><td>82</td><td>160</td></tr><tr><td rowspan="2">Bob</td><td>Mathematics</td><td>92</td><td>88</td><td>180</td></tr><tr><td>Science</td><td>80</td><td>85</td><td>165</td></tr><tr><td colspan="2">Average</td><td>83.75</td><td>86.25</td><td>170</td></tr></tbody></table> Apply the following styles using CSS. 1. Give the background color for table headings in light blue and other rows in light green. 2. Change the border lines to appear as single line. 3. Change the border to have 2px width solid line in red color. 4. Apply text color to be in red.	Student	Subject	Mid Term	Final Term	Total	Alice	Mathematics	85	90	175	Science	78	82	160	Bob	Mathematics	92	88	180	Science	80	85	165	Average		83.75	86.25	170	10	1	3
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2.	Design the below form using responsive bootstrap grid layout. Full Name * First Name Last Name University * Select University Where would you like to work ☐ Academia ☐ Industry ☐ Consultancy ☐ Finance Confirm E-mail * ex. myname@example.com Confirm Email Submit	10	1	3																												



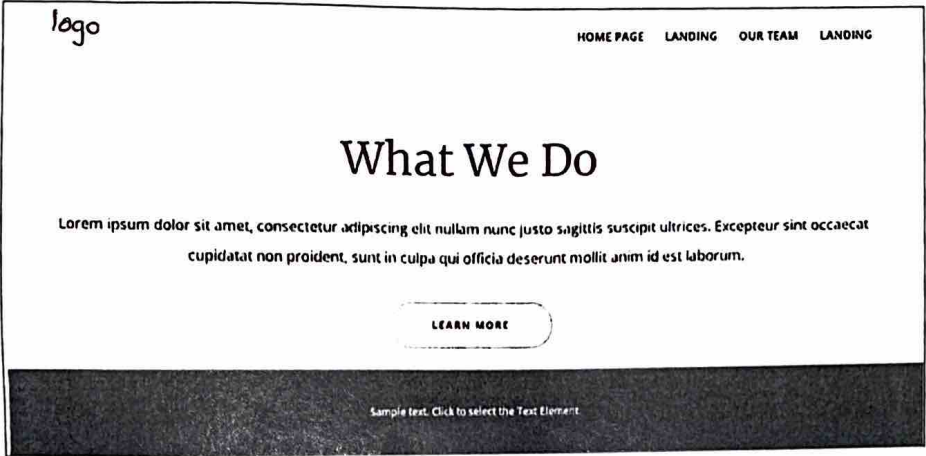
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3.	Design the following web page using CSS Layout Properties. 	10	1	3
4.	Develop a Student Attendance Tracker which includes a form with the following fields: • A text input for Student Name. • Two radio buttons for Attendance Status with Present, Absent values • A "Mark Attendance" button. • A "Clear Attendance" button. • An empty <table> with headers: S.No, Name, Status. Perform the following tasks using Javascript: 1. When "Mark Attendance" is clicked: ○ Get the student name and attendance status. ○ Append a new row to the table with S.No, Name, and "Present" in green text/ "Absent" in red text. 2. Number the rows automatically. 3. When "Clear Attendance" is clicked, remove all rows except the header. This button should be enabled only after making atleast one entry.	10	2	3
5.	Write ONLY the Javascript code to perform the following validations for the form given in QNo.2. Display appropriate error messages 1. First name should start with uppercase alphabet and can contain ONLY alphabets with maximum 20 characters. 2. Last name can contain uppercase, lowercase alphabets, dot(.) and space(should not start with) with maximum 20 characters and minimum 6 characters 3. Only 2 options can be selected for checkbox. 4. Email and confirm email should be same 5. "University" dropdown is mandatory field.	10	2	3