



VIT

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

REG.NO.:

NAME OF THE SCHOOL
CONTINUOUS ASSESSMENT TEST - II
FALL SEMESTER 2024-2025

SLOT: B1+TB1

Programme Name & Branch : M.Tech (SE)
Course Code and Course Name : Web Technologies & ISWE206L
Faculty Name(s) : Dr. MAREESWARI V, Dr. VIJAYAN R, Dr. BRINDHA K,
Dr. SUMANGALI K, Dr. MOHANRAJ G
Class Number(s) : VL2024250102986, VL2024250102967, VL2024250102952,
VL2024250102941, VL2024250102998
Date of Examination : 14-10-2024
Exam Duration : 90 minutes
Maximum Marks: 50

General instruction(s): Answer all the questions.

Q. No	Question	M	CO	BL												
1. 9	Write a Javascript function that takes a string of words and returns the highest-scoring word. Each word scores points according to its length. Examples: 1. word_rank("The quick brown fox ") → "quick" 2. word_rank("Nancy is very pretty.") → "pretty" 3. word_rank("Check back tomorrow, man!") → "tomorrow" 4. word_rank("Wednesday is hump day.") → "Wednesday" Note: ➤ If two words score the same, return the word that appears at first in the original string. ➤ The returned string should only contain alphabetic characters (a-z). ➤ Preserve the case in the returned string (see 4th example).	10	2	3												
2. 10	Write the Javascript code to perform the form validation using a regular expression for the following constraints and display the possible validation error messages. <table><tr><th>Input Elements</th><th>Input Validations</th></tr><tr><td>Zip Code (Textbox)</td><td>(2 alphanumeric characters for country code), 3 digits for city code - 4 digits for area code Example 1: (A1)123-1234 Example 2: (BB)567-8901</td></tr><tr><td>Phone Number (Textbox)</td><td>The number should start with +91 followed by 10 digits or +65 followed by 8 digits Example 1: +911234567890 Example 2: +6512345678</td></tr><tr><td>Country (Dropdown list box)</td><td>Two options to be included in the drop-down list: India and Singapore +91 should be added to the Phone Number field when India has selected it and +65 if Singapore has selected it.</td></tr><tr><td>Password (Password)</td><td>Any characters and the length between 6 and 10.</td></tr><tr><td></td><td>All fields must be entered, if it is then the client can submit the form to the server.</td></tr></table>	Input Elements	Input Validations	Zip Code (Textbox)	(2 alphanumeric characters for country code), 3 digits for city code - 4 digits for area code Example 1: (A1)123-1234 Example 2: (BB)567-8901	Phone Number (Textbox)	The number should start with +91 followed by 10 digits or +65 followed by 8 digits Example 1: +911234567890 Example 2: +6512345678	Country (Dropdown list box)	Two options to be included in the drop-down list: India and Singapore +91 should be added to the Phone Number field when India has selected it and +65 if Singapore has selected it.	Password (Password)	Any characters and the length between 6 and 10.		All fields must be entered, if it is then the client can submit the form to the server.	10	2	4
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3. 10	Imagine you are developing a productivity app that allows users to create and manage plugins in the systems. The page should have the following features: ➤ Users can add new plugins by entering the plugin name in the text box and clicking the "Add to List" button.	10	2	3												



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	➤ Users can remove plugins when they are no longer needed by checking the checkbox and clicking the cross button. Write a JQuery code for the functionalities and refer to the below design for the sample output. Things I've Gotta Get Done ☐ JQuery x ☐ Script x ☐ .net x ☐ JavaScript x ☐ HTML5 x ☐ Local Storage x What do you need to do today? Add to List			
4.	Building a web application that fetches and displays user profiles from a remote server using the AJAX concept. The server provides a JSON response containing user details like name, age, and email. Create an interface where users can search for a profile by entering a user name, and the application will display the corresponding user details.	10	4	3
5.	Write the MySQL query for the following statements: i. The database has the main table named "Book" which includes the fields of the bookid, title, author, genre, price, and quantity. Bookid should be unique values. [2 marks] ii. Insert values for all the fields with unique bookid values. Insert a minimum of 3 relevant records for this question. [2 marks] iii. List all authors who have written in the 'Science Fiction' genre. iv. Display all the records based on price from high to low. v. To increase the stock, update the new quantity as 100 if it is 0. vi. Find books at prices between 500 and 1000. vii. Find the book title that has one of the words "Programming". Eg. Web Programming, Java Programming, Object Oriented Programming viii. Delete the record of bookid as 1000.	10	4	2
