



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

SLOT: C2+TC2

Programme Name & Branch
Course Code and Course Name
Faculty Name(s)

: B.Tech (IT)
: BITE304L Web Technologies
: Dr.Vijayan R, Dr. Mareeswari V, Dr. Kavitha B.R
: Dr.Usha Preethi P
: VL2025260503006, 2994, 2997, 2986
: 29.1.2026
: 90 minutes

Class Number(s)
Date of Examination
Exam Duration

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 following form Student Registration Form Name: Email: Password: Gender: ☐ Male ☐ Female Languages Known: ☐ English ☐ Tamil ☐ Hindi Course: B.Sc Date of Birth: dd-mm-yyyy Upload Resume: Choose File No file chosen Address: Register	10	1	2
2.	Design the given page using CSS Layout properties  Personal Birth Charts Detailed analysis of your unique planetary positions and what they reveal about your character and destiny.  Compatibility Reports Discover the dynamics of your relationships based on zodiac signs.  Daily, Weekly & Monthly Horoscopes Stay in tune with cosmic energy and plan your days with clarity.  Career & Life Guidance Astrological insights to help you make confident decisions in work and personal growth.	10	1	3

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3.	Create a responsive web page using Bootstrap Layout. All Products  iPhone 15 Latest smartphone with advanced camera system and A17 chip. \$999.99 Add to Cart View Details  MacBook Air Lightweight laptop perfect for everyday computing tasks. \$1,299.99 Add to Cart View Details  Mechanical Keyboard Premium mechanical keyboard for gaming and typing. \$159.99 Add to Cart View Details  AirPods Pro Premium wireless earbuds with active noise cancellation. \$249.99 Add to Cart View Details	10	1	3
4.	i) Write Javascript code for the following string operations: a) Remove the protocol and path from a URL to get only the domain. Sample URL: 'https://www.github.com/users/profile' Expected Output: 'github.com' b) Count how many times a substring appears in a string. Input: 'How much wood would a woodchuck chuck if a woodchuck could chuck wood?' Substring : 'wood' Expected Output: 4 ii) Create three theme buttons: Ocean (Blue), Forest (Green), Sunset (Orange), When a theme button is clicked: - Change the page background to the theme color - Change the text color for optimal contrast - Update a display message showing the current theme name - Display the click count for each theme button	5	2	3
5.	Write ONLY the javascript code to perform the below validations for the form given in Q.No.1. Display appropriate error messages. a) Password field can contain lower case and uppercase alphabets, digits, underscore(_) and hyphen(-). Should start with uppercase alphabet and end with a digit. b) Email validation c) Gender and Course are mandatory fields. d) Date of birth should be between 2003 and 2008.	10	2	3