



School of Computer Science and Engineering

Fall Semester 2023-24

Continuous Assessment Test – 1

SLOT C1+TC1

Programme Name & Branch : M.Tech. (Integrated), MIC & MID

Course Name & code: Advances in Web Technologies, MDI3001

Class Number (s): 0104217, 0104218

Faculty Name (s): Dr.V. Arulkumar, Dr. Mukku Nisanth Kartheek

Exam Duration: 90 Min.

Maximum Marks: 50

Answer All the Questions

1. a) What are the differences between TCP and UDP? Explain. [5 Marks]
- b) What is Client-side Caching? Explain. [5 Marks]
2. A local university has asked you to create an HTML5 document that allows prospective college students to provide feedback about their campus visit. Your HTML5 document should contain a form with text fields for a name and e-mail. Provide checkboxes that allow prospective students to indicate what they liked most about the campus. The checkboxes should include: campus, students, location, atmosphere, and sports. Also, provide radio buttons that ask the prospective students how they became interested in the college. Options should include: friends, television, internet and others. In addition, provide a text area for additional comments, a submit button and a reset button. Use post to send the information in the form to <http://www.dietel.com>. [10 Marks]
3. PQR Fans Association is approaching you to develop a web page for their favourite actor (XYZ). Create a header section at the top of the page to include actor name and provide the basic details about an actor in a paragraph. As a developer, use CSS to style the website to look it visually appealing. The website should include: [10 Marks]
 - a) Text to display the movie names using ordered list.
 - b) Images (both clickable and non-clickable) taken from the actor's films.
 - c) Hyperlinks referring to actor's family members.
 - d) Copyright belonging to PQR Fans Association.
4. Develop a webpage to randomly change your favourite animal's image for every 25 seconds using CSS3. [10 Marks]
5. Design a webpage for Loan EMI Calculator using HTML, CSS and JavaScript. (This calculator should display monthly EMI amount based on the loan amount, interest rate and month). [10 Marks]