

SAVEETHA SCHOOL OF ENGINEERING SIMATS, CHENNAI



Course Code /Title: CSA4399 – Internet Programming Programme: Computer Science and Engineering

ASSIGNMENT QUESTIONS

SET -2

1	You are updating a legacy web application to take advantage of modern web standards. The project involves transitioning from an earlier HTML version to HTML5. The goal is to leverage HTML5's new features to improve web development practices and enhance the functionality of web forms.	10	CO1	2
2	Designing a user registration form for a new web application. The form needs to capture essential information such as name, email, and a message from users. It is crucial to implement client-side validation to ensure that the data entered is accurate and complete before the form is submitted.	10	CO1	3
3	Designing a website that needs to function effectively across various devices and screen sizes. The design should include different types of layouts such as fixed, fluid, and responsive. To achieve this, you need to use CSS techniques like Flexbox or Grid to ensure that the layout adapts well to different screen sizes and maintains a consistent user experience.	10	CO1	2
4	To create a webpage that offers a seamless user experience across devices, responsive design principles must be applied. This involves using fluid grids, flexible images, and media queries to ensure the layout adjusts gracefully to different screen sizes. For instance, on a desktop, the webpage might display multiple columns with detailed content, while on a smartphone, the same content could stack vertically for easy scrolling. Navigation menus should transform into a hamburger icon on smaller screens, ensuring they remain accessible without taking up too much space. Additionally, touch-friendly elements and optimized images ensure fast loading times and a smooth experience on all devices.	10	CO1	3
5	Given a scenario (e.g., creating a blog post, a product listing), design a webpage using appropriate elements, tables, lists, and images for optimal readability and user experience. Also, describe step-by-step the sequence of HTTP requests and responses that occur when a user accesses a webpage containing multiple resources (HTML, CSS, JavaScript, images).	10	CO1	3

ASSIGNMENT - I

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