Subject: Web Application Development   **Subject Code: 314453**

UNIT-1

HTML :
1. Explain any 5 tags used in HTML with their attributes.
2. Discuss the importance of semantic HTML5 elements in web development. Provide examples of semantic elements and explain how they contribute to improving accessibility and SEO.
3. Create a sample HTML code demonstrating the use of headings list, links, tables, and images.
4. Differentiate between tags and elements in HTML. Provide examples to illustrate your explanation.
5. Describe the significance of HTML in modern web development. Discuss its role in structuring web pages and its importance.

CSS

What are the ways of inserting CSS in the HTML page? Explain with example.

What is a style sheet? How to create a multi colour text on a web page using CSS?

What is the importance of CSS selectors? Where do you use them?

What are different types of CSS? Explain each with examples.

What is the difference between a class and an ID?

BOOTSTRAP

Write a note on Bootstrap Grid system

Explain any two bootstrap components.

Differentiate between CSS and Bootstrap.

What is responsive Bootstrap

What is Bootstrap? How to use Bootstrap.

W3C

What is W3C? list the advantages and disadvantages

How W3C handles/Supports Web Technologies.

UNIT-2

JAVASCRIPT:
1. What is Async-await? Explain with example
2. Explain JavaScript objects in detail.
3. Explain disadvantage of using callback function and how it can overcome using promises with example.
4. Discuss JavaScript events and their significance in web development. Explain how events are handled in JavaScript
5. Describe arrays in JavaScript. Discuss how arrays are declared, initialized, and manipulated in JavaScript, providing examples to illustrate each operation.
6. Write HTML code for accepting userID and password from user to ensure the input is not empty

ADVANCED JS

What is JSON file format and explain the usage of JSON

Which is better XML or JSON? Why?

Explain how to transform JSON text to a JavaScript object? Explain JSON Parser

Explain data types supported by JSON? What is the role of JSON.stringify?

Explain different applications without AJAX and with AJAX.

AJAX

Write short note on AJAX based web application architecture.

What is the use of XMLHttpReuqest Object?Explain its use with the help of simple javascript code.

Explain data sending and receiving in AJAX.

Write a note on AJAX Error handling.

Jquery

When to use Jquery?What are the advantages of Jquery over Javascript?

What is the purpose of DOM node tree?Draw a DOM node tree for a simple HTML page.

How to use DOM manipulation with Jquery

List advantages & disadvantage of JQuery

What is JQuery? Explain with example.

Subject Teachers

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