

WEB TECHNOLOGIES



➤ Maximum Marks: 70

➤ **Section A (5 Marks each)**

✓ Attempt any FIVE questions

1. What is HTML? Explain its basic structure.
2. Define CSS. What are different types of CSS?
3. What is a hyperlink? Explain anchor tag with example.
4. What is Bootstrap? State its advantages.
5. What is DNS? Explain its role in web technologies.
6. What is JavaScript? Explain its features.
7. What is form validation? Why is it important?
8. What is AJAX? Write its advantages.

➤ **Section B (15 Marks each)**

✓ Attempt any THREE questions

- Q1.Explain the structure of an HTML document. Describe various HTML tags such as table, form, image, and list with examples.
- Q2.Explain CSS in detail. Discuss types of CSS, selectors, and advantages of CSS with examples.
- Q3.Explain Bootstrap framework. Describe grid system and responsive web design.
- Q4.Explain JavaScript in detail. Describe variables, functions, events, and DOM manipulation with examples.
- Q5.Explain form validation in JavaScript. Write a program to validate a form using required fields and pattern validation.

Q6.Explain AJAX. Discuss its working, advantages, and disadvantages.

Q7.Explain XML and its components. Describe DTD, XSL, and XSLT.

Q8.What is JSON? Explain its structure with examples. Compare JSON with XML.

