



Sixth Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026
Web Technology and its Applications

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Write the structure of HTMLS document and describe list of elements in the structure. (08 Marks)
- b. What are types of list is HTML? List in HTML. Differentiate list with suitable example (08 Marks)
- c. Write syntax of < a > tag and < img > tag. (04 Marks)

OR

- 2 a. What is CSS? Illustrate how it is added to HTML is different ways with suitable example. (08 Marks)
- b. Explain the different types CSS selectors with examples. (08 Marks)
- c. Write list of CSS attributes used for designing a BOX Model. (04 Marks)

Module-2

- 3 a. Explain any five HTML form elements with its attributes. (10 Marks)
- b. Write the HTML code for the following table with specific styling

| Day/period | 1 | 2 | 3 | Break | 4 | 5 | 6 |
|------------|-----|-----|-----|-------|---------|--------|----------------------------|
| Mon | MAT | ENG | CHE | | LAB | | T U R I E L |
| Tue | Lab | | | | Phy | Kan | |
| Wed | ENG | Kan | Phy | | Library | | |
| Thu | Lab | | | | Phy | Sports | |
| Fri | CHE | ENG | MAT | | Seminar | | |

(10 Marks)

OR

- 4 a. What does floating an element do in CSS? How do you float an element using CSS attribute with its values? (10 Marks)
- b. What is responsive design? Why is it important? Explain in detail. (10 Marks)

Module-3

- 5 a. Explain different ways of linking JavaScript to HTML page with suitable code segments. (10 Marks)
- b. Write a design of calculator using HTML buttons, includes 0-9 and +, -, *, / and = buttons whenever the button is pressed the value of button concentrate is the textbox or evaluate the expression and stores the result in textbox, when equal (=) button is pressed. (10 Marks)

OR

- 6 a. Write list of mouse events in JavaScript and describe function of respective event. (04 Marks)
- b. Write list of data types in PHP and demonstrate with simple program. (06 Marks)
- c. What is function? Write the syntax function is PHP and explain the types of parameter passing with example. (10 Marks)

Module-4

- 7 a. How to initialize the arrays in PHP? (04 Marks)
- b. Explain the concepts array operations such as iterating, adding and deleting elements in PHP. (08 Marks)
- c. Write a PHP programs for the following : (08 Marks)
 - i) Addition of two matrices (3 × 3)
 - ii) Multiplication of two matrices (3 × 3)

OR

- 8 a. With data flow diagram, explain the role of \$_GET and \$_POST arrays in Php with suitable example. (10 Marks)
- b. Write a PHP program class called "student" with suitable constructors. All the data members are declared as private
Data members : Roll No, Name, Address, Birth-date,
Data functions: Read-data, Display-data.
Using above class instantiate two objects and displays the details of student. (10 Marks)

Module-5

- 9 a. What is Cookie? Explain how the cookies with a neat diagram. (08 Marks)
 - b. What is Session? Explain how session is setting and accessing the session state. (08 Marks)
 - c. Write the syntax of Basic J Query selectors. (04 Marks)
- OR**
- 10 a. Demonstrate the manipulation of attributes properties and styles of elements using J Query with suitable example. (08 Marks)
 - b. Explain the loading and processing of XML in JavaScript with example. (08 Marks)
 - c. Explain the simple JSON representation using JavaScript. (04 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.