

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-2 EXAMINATION-2025

B. Tech-III Semester (CSE-FSSD)

COURSE CODE (CREDITS): 25B11CI317 (3)

MAX. MARKS: 25

COURSE NAME: FRONT-END DEVELOPMENT BASICS (HTML, CSS, JAVASCRIPT)

COURSE INSTRUCTORS: MR. PRATEEK

MAX. TIME: 1 Hour 30 Min

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	<p>Write down JavaScript code that performs form validation on the given HTML form below such that:</p> <p>(a) Name field should not be left blank.</p> <p>(b) Age should be in the range 10 and 30.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">JavaScript Form Validation</p> <p>Name: <input type="text"/></p> <p>Age: <input type="text"/></p> <p style="text-align: center;"> <input type="button" value="Submit"/> <input type="button" value="Reset"/> </p> </div> <p>Display appropriate messages using alert box in case of contradiction.</p>	CO-4	5
Q2	<p>Differentiate between the following JavaScript methods:</p> <p>(a) chatAt() and charCodeAt()</p> <p>(b) substr() and slice()</p> <p>(c) trimStart() and trimEnd()</p> <p>Also write down JavaScript code along with the output for each of these methods separately.</p>	CO-3	6

Q3	<p>Write down the following programs using JavaScript conditional and looping statements:</p> <p>(a) To check whether a given year is leap year or not.</p> <p>(b) To print the mathematical table of number 21.</p>	CO-3	6
Q4	<p>Write down HTML code to produce the following output on web browser. Use JavaScript functions and appropriate HTML DOM events such that taking mouse cursor on the paragraph written below will change its color to red and taking mouse cursor off will change back the color to black.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">HTML DOM Events</p> <p style="text-align: center;">The Mouse Event</p> <p>Moving mouse cursor on this text sets the color of this text to red whereas taking off the mouse cursor sets the color of this text to original black.</p> </div>	CO-4	4
Q5	<p>Differentiate between inline, internal and external CSS. Write down program for each of the CSS type separately highlighting the difference in the syntax.</p>	CO-2	4