

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

Supplementary Examination-2026

B. Tech-III Semester (CSE-FSSD)

COURSE CODE (CREDITS): 25B11CI317 (3)

MAX. MARKS: 75

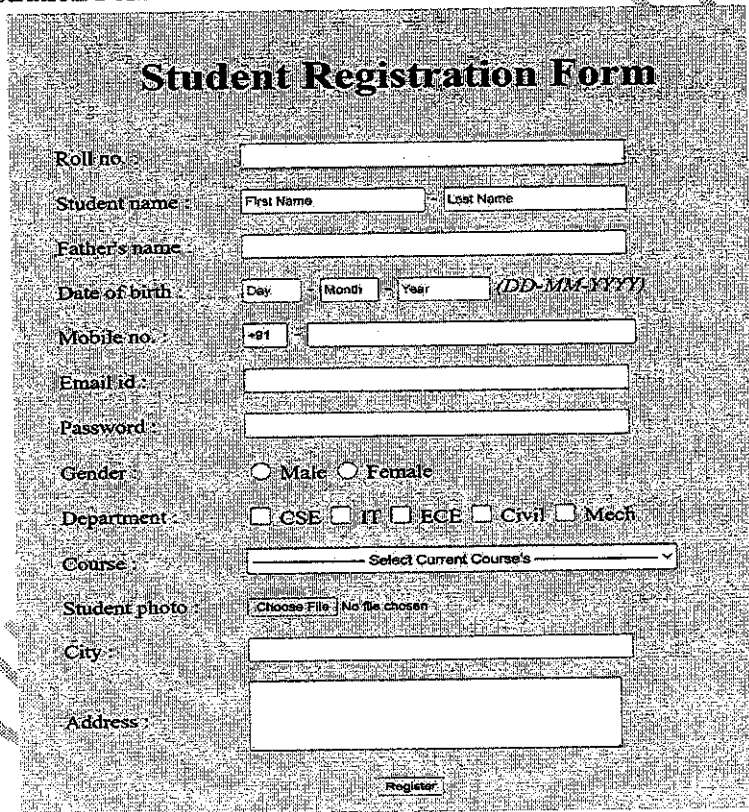
COURSE NAME: FRONT-END DEVELOPMENT BASICS (HTML, CSS, JAVASCRIPT)

COURSE INSTRUCTORS: MR. PRATEEK

MAX. TIME: 2 Hours

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 the HTML code to display the following Student Registration Form on web browser:</p>  <p>The form is titled 'Student Registration Form'. It contains the following fields and options:</p> <ul style="list-style-type: none"> Roll no.: A single-line text input field. Student name: Two text input fields labeled 'First Name' and 'Last Name'. Father's name: A single-line text input field. Date of birth: Three text input fields labeled 'Day', 'Month', and 'Year', followed by the format '(DD-MM-YYYY)'. Mobile no.: A text input field preceded by a '+91' label. Email id: A single-line text input field. Password: A single-line text input field. Gender: Two radio buttons labeled 'Male' and 'Female'. Department: Four checkboxes labeled 'CSE', 'IT', 'ECE', 'Civil', and 'Mech'. Course: A dropdown menu with the text 'Select Current Course's'. Student photo: A file upload button labeled 'Choose File' and the text 'No file chosen'. City: A single-line text input field. Address: A multi-line text input field. A 'Register' button at the bottom right. 	CO-1	15
Q2	<p>What do you mean by CSS selectors? Discuss in detail the five different types of CSS selectors used to make a stylish website. Also, write down one sample program that incorporates various types of CSS selectors explaining their use and importance.</p>	CO-2	5+5+5

Q3	What do you mean by the pop-up boxes in JavaScript? Discuss three different types of pop-up boxes commonly used in the website design. Write down three separate programs along with their outputs to show the use of each pop-up box.	CO-3	5+10
Q4	<p>Explain the HTML DOM model with the help of a suitable diagram. Write down HTML code to produce the following output on web browser. Use JavaScript functions and appropriate HTML DOM events such that by clicking on the text below, the color of the text changes to red and to blue color on leaving the mouse click.</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 onmousedown Event</p> <p>Click on the text below!</p> <p>The mouseDown() function sets the color of this text to red. The mouseUp() function sets the color of this text to blue.</p> </div>	CO-4	5+10
Q5	<p>Differentiate between the following terms and write down the sample program for each of the categories given below:</p> <ul style="list-style-type: none"> (a) JavaScript and Java (b) \$_GET and \$_POST in PHP (c) CSS Flexbox and Gridbox (d) and tag in HTML (e) print and echo in PHP 	CO-5	15