R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT
(An Autonomous Institute U/s UGC Act 1956)

B.Tech. SEMESTER-III, SEMESTER END EXAMINATION – WINTER 2025

SUBJECT CODE: 1CS303	**DATE: 20-12-2025**
SUBJECT NAME: WEB PROGRAMMING	
TIME: 11:00 AM to 01:30 PM	**TOTAL MARKS: 70**

Instructions

1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
2. Write answers of **Section A** and **Section B** in **separate answer books**.
3. Attempt all questions from both **Section A** and **Section B**.
4. Each section carries **35 marks**, with a total of **70 marks** for the examination.
5. The figures to the right of each question indicate full marks, make suitable assumptions with justification.
6. BL - Cognitive Level (As per Revised Bloom's Taxonomy) (R-Remember, U-Understanding, A –Application, N –Analyze, E – Evaluate, C -Create), CO - Course Outcomes.

SECTION A

			Marks	BL	CO
Q.1	**(a)**	Explain the Client-Server architecture with a neat diagram.	03	U	1
	(b)	Explain different design issues at the time of designing an effective website.	04	U	1
Q.2	**(a)**	Differentiate between GET and POST Method.	03	N	4
	(b)	Write a PHP Code to demonstrate a calculator using switch case.	04	A	4
	(c)	Enlist type of array in PHP and explain each with an example.	07	U	4

OR

			Marks	BL	CO
Q.2	**(a)**	Differentiate client-side scripting and server-side scripting.	03	N	4
	(b)	Write a PHP code to make sum of first 10 even numbers.	04	A	4
	(c)	Discuss the importance of session and cookie in PHP with an example.	07	U	4
Q.3	**(a)**	Explain Prepared Statement in MySQL.	03	U	5
	(b)	Explain the process of connecting PHP with MySQL using mysqli_connect().	04	U	5
	(c)	Demonstrate the use of CRUD operations using MySQL. Explain each with a short PHP example	07	A	5

OR

			Marks	BL	CO
Q.3	**(a)**	Explain Functions of Prepared Statement.	03	U	5

			Marks	BL	CO
(b)		Enlist functions used for database connectivity in MySQL and explain any three of them with its syntax.	04	U	5
(c)		Write HTML and PHP program to read and store employee information such as e_id, e_name, e_dept, e_exp and e_salary from the employee table. Make a search module to search a record from the database based on e_dept and display the result in tabular format.	07	A	5

SECTION B

			Marks	BL	CO
Q.4	**(a)**	Describe the role of the XMLHttpRequest object in AJAX.	03	U	6
	(b)	Differentiate between synchronous and asynchronous web programming.	04	U	6
Q.5	**(a)**	What is the purpose of the Document Object Model (DOM) in web development?	03	U	2
	(b)	Write HTML code to create a table and apply CSS rules for background color and borders.	04	A	2
	(c)	What is Bootstrap? Explain its key features and demonstrate a responsive layout using Bootstrap classes.	07	U	2

OR

			Marks	BL	CO
Q.5	**(a)**	Explain the difference between ordered and unordered lists in HTML.	03	U	2
	(b)	Describe the use of wildcard selectors (*, ^, $) in CSS with examples.	04	A	2
	(c)	Explain CSS Box Model in detail.	07	U	2
Q.6	**(a)**	Differentiate between internal, embedded, and external JavaScript with examples.	03	U	3
	(b)	Describe the use of popup boxes in JavaScript with syntax and example.	04	U	3
	(c)	Write a JavaScript program to perform validation on a registration form (name, email, password). Display appropriate error messages using alert boxes.	07	A	3

OR

			Marks	BL	CO
Q.6	**(a)**	What is the purpose of arrays in JavaScript? Give an example.	03	U	3
	(b)	Explain the use of callback functions with an example.	04	U	3
	(c)	Write a JavaScript program that takes user input for marks and displays the corresponding grade using conditional statements.	07	A	3

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