

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Empowered Autonomous Institute, Affiliated to SUK)
 End Semester Examination (Nov./Dec. 2025)
 S.Y.B.C.A. III

Q.P.Code
E 1223

Course Code: BC205

Course Name: Web Technology

Day & Date: Saturday 08/11/2025
 Time : 2:30 To 5:30

Max Marks: 100

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded() brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

	Marks	COs	BT Level
Q.1 Attempt both parts (a) and (b) of Question	15		
(a) Define Internet (2) and explain various application areas of the Internet with suitable examples. (5)	7	CO1	BL2
(b) Construct a web page layout using External CSS (3) that demonstrates the use of borders, margins, and background properties. (3) Explain the code used. (2)	8	CO1	BL3
OR			
(b) Design a simple HTML form for student registration that includes text boxes, (2) radio buttons, (2) and a submit button. (2) Explain the purpose of each element used in the form. (2)	8	CO1	BL3
Q.2 Attempt both parts (a) and (b) of Question	15		
(a) Describe the concept of the World Wide Web (WWW) (4) and explain how it differs from the Internet. (4)	8	CO1	BL2
OR			
(a) Describe the concept of the Domain Name System (DNS) (3) and explain its role in translating domain names into corresponding IP addresses (4), with an example. (1)	8	CO1	BL2
(b) Describe the role of CSS in web design (2) and illustrate its advantages (3) and limitations (2)	7	CO1	BL2



Q.3	Attempt both parts (a) and (b) of Question	15		
(a)	Create a JavaScript program that takes a number from the user and checks whether it is prime using loops and conditional statements. (6) Explain the logic (2)	8	CO2	BL3
(b)	Create an HTML page that shows the current date and time when a button is clicked. (5) Describe the onclick event and getElementById() method used. (2)	7	CO2	BL3
Q.4	Attempt both parts (a) and (b) of Question	15		
(a)	Demonstrate two methods (4) of form validation in JavaScript using suitable examples (4)	8	CO2	BL3
(b)	Explain the primary features of JavaScript that make it an essential language for web development (each has 1 mark)	7	CO2	BL2
Q.5	Attempt any 2 of the following questions	20Marks	COs	BL
(a)	Demonstrate how PHP integrates with HTML (2) to create dynamic web pages using an example (4) and explain its working. (4)	10	CO3	BL3
(b)	Create a PHP program to declare different types of variables and display their values (7), demonstrating the use of PHP syntax (3)	10	CO4	BL3
(c)	Analyze the role of PHP and MySQL in dynamic web development (3). State their definitions (2), list advantages of it (3), and write a PHP program to display 'Welcome to PHP' (2)	10	CO3	BL4
Q.6	Attempt any 2 of the following questions	20Marks	COs	BL
(a)	Analyze the concept of arrays in PHP and explain how functions like array_push(), array_pop(), array_shift(), array_unshift(), sort (), asort(), and ksort() help manage array elements (7) with examples. (3)	10	CO4	BL4
(b)	Develop a PHP program to perform addition, subtraction, multiplication, and division of two numbers. (6) Explain the code (2) and its output. (2)	10	CO4	BL3
(c)	Illustrate PHP error and exception handling. (3) Describe the roles of try, throw, and catch blocks (3) in exception handling with a suitable PHP program and its output (4)	10	CO4	BL3

