



Mid Term (Odd) Semester Examination October 2024

Roll no.....

Name of the Course: BCA IIIrd semester

Name of the Paper: Web Application Development

Paper Code: TBC 301

Time: 1-1/2Hours

Maximum Marks:50

Note:

- (i) Answer all the questions by choosing any one of the sub-questions.
- (ii) Each question carries 10 marks

Q1	(10marks)	CO1
(a)	What is the difference between the Internet and the World Wide Web, and how do web browsers access web content?	
OR		
(b)	Explain the purpose of a Uniform Resource Locator (URL) and how it is used to navigate between web pages and websites.	CO1
Q2	(10marks)	
(a)	Describe the HTTP protocol's phases and MIME's role in web communication.	
OR		CO1, CO2
(b)	What are the structural differences between HTML and XHTML, and why is XHTML considered stricter than HTML?	
Q3	(10 marks)	
(a)	How do <div> and elements differ in XHTML, and what are their typical use cases in structuring a web page?	CO2
OR		
(b)	Explain the CSS Box Model and how changes to its components (padding, margin, border) impact the layout and spacing of form elements. What role does the Box Model play in responsive design?	
Q4	(10 marks)	CO2
(a)	Compare text boxes, password fields, and text areas in XHTML forms. How does their behavior differ in terms of user input and form submission?	
OR		
(b)	What are the various types of CSS? Explain each type along with an example.	CO1, CO2
Q5	(10 marks)	
(a)	Explain the difference between element (type) selectors, class selectors, and ID selectors in CSS. How does each selector affect the specificity of applied styles?	
OR		CO1, CO2
(b)	What are pseudo-class selectors in CSS, and how do they differ from pseudo-elements? Discuss the use of common pseudo-classes like :hover, :focus, and :nth-child in improving user interaction with form elements.	