



First Semester MCA Degree Examination, June/July 2025
Web Technologies

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
 2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	What are web browsers and web servers? Explain their roles in web technologies.	4	L2	CO1
	b.	List the different types of HTML5 form elements and their uses.	10	L2	CO2
	c.	Explain the and <div> tags in brief.	6	L2	CO2
OR					
Q.2	a.	Explain the types of lists with suitable example	10	L2	CO1
	b.	Discuss the usage of rowspan and colspan properties in tables	5	L2	CO2
	c.	Demonstrate the use of HTML5 media tags for embedding audio and video.	5	L3	CO2
Module – 2					
Q.3	a.	With an example, explain the different levels of CSS.	7	L2	CO2
	b.	Write a XHTML and CSS document to illustrate different font properties.	8	L3	CO2
	c.	Write a JavaScript program to check whether a number is prime or not using conditional statements.	5	L3	CO2
OR					
Q.4	a.	List the types of Selectors in CSS. Explain any four in detail with suitable example.	10	L2	CO2
	b.	How arrays are declared in JavaScript? Write a JavaScript program to find the maximum element of an array using function.	10	L3	CO2
Module – 3					
Q.5	a.	Describe the Document Object Model (DOM) and its significance in JavaScript.	10	L2	CO3
	b.	Discuss the event handling in JavaScript with examples.	10	L3	CO3
OR					
Q.6	a.	Explain how to manipulate strings using JavaScript functions.	10	L2	CO3
	b.	Write a JavaScript program to show handling events from textbox and password elements.	10	L3	CO3
Module – 4					
Q.7	a.	What is AngularJS? Explain AngularJS MVC architecture with a neat diagram	10	L2	CO4
	b.	What are AngularJS directives? List and explain the directives defined in AngularJS with example.	10	L2	CO4

OR					
Q.8	a.	Explain AngularJS controller with example	10	L2	CO4
	b.	Briefly discuss the use of filters in Angular JS with an example.	10	L2	CO4
Module – 5					
Q.9	a.	Explain AngularJS forms with relevant code snippets and describe their significance in web applications.	10	L2	CO4
	b.	List the events associated with AngularJS. Explain any 4 in detail.	10	L3	CO4
OR					
Q.10	a.	What are AngularJS Services? Explain any three of them by using code snippet.	10	L2	CO4
	b.	Write an AngularJS program to demonstrate client-side form validation, including validation for required fields and email format	10	L3	CO4
