CBCS SCHEME

USN

MMC105

First Semester MCA Degree Examination, Dec.2025/Jan.2026
Web Technologies

Time: 3 hrs. 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.	Explain the following terms (i) Image tag (ii) HTTP (iii) Audio & Video tags (iv) Progress tag.	10	L2	CO1
	b.	Define server. Explain any 2 types of servers.	06	L1	CO1
	c.	Explain MIME & its features in detail.	04	L2	CO1
		OR			
Q.2	a.	Discuss the basic structure of HTML5page with example.	05	L2	CO1
	b.	Define lists in HTML5. Describe ordered, unordered lists with suitable example.	10	L1	CO1
	c.	Explain in brief span and div tags with example for each.	05	L2	CO1
		Module – 2			
Q.3	a.	Define CSS. Describe the different levels of style sheet and their precedence.	08	L1	CO2
	b.	Explain any 2 simple selectors with example code.	06	L2	CO2
	c.	Describe any two different ways of array declaration in javascript with example.	06	L2	CO2
		OR			
Q.4	a.	Explain the concept of Box Model in CSS.	08	L2	CO2
	b.	Discuss any four Font proper tiesused in CSS with suitable example.	08	L2	CO2
	c.	Write a Javascript code that accepts 'n' as input from prompt and table of numbers from 1 to n and their squares should be displayed using alert.	04	L2	CO2
		Module – 3			
Q.5	a.	Explain the mechanism of event handling in JavaScript. Discuss any 2 mouse events with its event handlers.	10	L2	CO3
	b.	Discuss the application of Document Object Model (DOM) in JavaScript, and how the elements can be accessed in JavaScript illustrate with code snippet.	10	L2	CO3

		OR			
Q.6	a.	Explain any 5 string methods in Javascript with suitable example.	10	L2	CO3
	b.	Discuss any two different form events with suitable example.	10	L2	CO3
		Module – 4			
Q.7	a.	Define directives in AngularJS. Explain the following AngularJS directives:(i) ng-app (ii) ng-init (iii) ng-bind (iv) ng-model.	10	L2	CO4
	b.	Explain in detail expressions in AngularJS with suitable code.	06	L2	CO4
	c.	Discuss in brief the usage of $scope with suitable example.	04	L2	CO4
		OR			
Q.8	a.	Discuss the Modules and Controllers with suitable AngularJS code.	10	L2	CO4
	b.	Discuss any 5 AngularJS filters with example.	10	L2	CO4
		Module – 5			
Q.9	a.	Explain how the services are handled in AngularJS. Discuss any 3 services of AngularJS with code.	10	L2	CO4
	b.	Mention any 3 validation directives. Write an AngularJS program to demonstrate client-side form validation.	10	L2	CO4
		OR			
Q.10	a.	Explain how the data in tables can be made iterative in AngularJS with example code.	10	L2	CO4
	b.	Discuss any 2 key events handled in AngularJS with a code snippet.	10	L2	CO4

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