



CBCS SCHEME

MMC105

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First Semester MCA Degree Examination, June/July 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: i) Web Browser ii) Server iii) MIME iv) URL v) HTTP	10	L2	CO1
	b.	Explain the structure of an HTML5 document with a code snippet. Provide a brief description of each section of the document.	10	L3	CO1
OR					
Q.2	a.	Explain the use of the Table tag and its features with a code snippet.	10	L2	CO1
	b.	Demonstrate with code snippet the media tags.	10	L3	CO1
Module – 2					
Q.3	a.	What are the different levels of style sheets? Give an example code for each.	10	L3	CO1
	b.	Describe the variety of selector form types with example code.	10	L3	CO1
OR					
Q.4	a.	Explain the different Screen Output and Keyboard Input statements available in JavaScript.	10	L2	CO 1, 2
	b.	What is an Array in JavaScript? Explain the various ways of creating the arrays. Mention any 5 array methods and explain their use.	10	L2	CO 1, 2
Module – 3					
Q.5	a.	Briefly describe and demonstrate the Event handling and Document Object Model in web technology with a code snippet.	10	L2	CO 1, 2
	b.	Demonstrate with suitable examples the following: i) onload ii) onFocus iii) onMouseover	10	L3	CO 1, 2
OR					
Q.6	a.	Describe the String objects in JavaScript. and string handling methods.	10	L2	CO2
	b.	Explain the Window object in JavaScript and its methods with an example program.	10	L3	CO2

1 of 2

Module – 4

Q.7	a.	What is AngularJS? Explain the following AngularJS directives: i) ng-app ii) ng-model iii) ng-bind	08	L2	CO3
	b.	Write an AngularJS program to use expressions.	06	L3	CO3
	c.	Briefly discuss the use of filters in AngularJS with an example.	06	L2	CO3

OR

Q.8	a.	Explain AngularJS directives and their role in extending HTML. Discuss the purpose of the following directives with examples: i) ng-app ii) ng-init iii) ng-model iv) ng-repeat	10	L2	CO 2, 3
	b.	Explain how AngularJS binds application data to HTML DOM elements using directives. Describe the purpose and functionality of the following directives with examples: i) ng-disabled ii) ng-show iii) ng-hide iv) ng-click	10	L2	CO 2, 3

Module – 5

Q.9	a.	What is an AngularJS service? Explain any two of them using code snippet.	10	L3	CO 2, 3
	b.	Explain the use of the ng-repeat directive in AngularJS for dynamically generating table data. How does ng-repeat simplify the process of displaying repetitive data in an HTML table? Illustrate your explanation with an example.	10	L2	CO 2, 3

OR

Q.10	a.	Write an AngularJS program to demonstrate client-side form validation.	10	L3	CO 2, 3
	b.	Explain how a select box (dropdown) is implemented in AngularJS. How does the ng-model directive bind the selected value, and how does ng-options dynamically generate options? Provide an example demonstrating both simple and key-value pair select boxes.	10	L2	CO3
