CBCS SCHEME

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MMC105

First Semester MCA Degree Examination, Dec.2024/Jan.2025
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.	Define HTTP. Explain the different Phases of HTTP.	10	L2	CO1
	b.	Discuss the basic structure of XHTML document. Also explain the rules to be followed to make use of HTML elements in XHTML document.	10	L2	CO1
		OR			
Q.2	a.	Briefly explain the following: 1. URL 2. MIME 3. web server 4. web browser	10	L2	CO1
	b.	Explain the following tags with examples 1. Heading tag 2. Hypertext link tag 3. Image tag 4. Progress tag	10	L2	CO1
		Module – 2			
Q.3	a.	Discuss on the different ways of including CSS style information to a HTML document.	10	L2	CO2
	b.	Name any five CSS selectors and explain their uses with a suitable example.	10	L3	CO2
		OR			
Q.4	a.	Explain the various ways of creating arrays in javascript. Mention any 5 array methods and explain their use.	10	L2	CO2
	b.	Write javascript program that accepts. 1. Input : A number n Output : The first n Fibonacci numbers 2. Input : A number n Output : A table of numbers from 1 to n and their squares	10	L3	CO2
		Module – 3			
Q.5	a.	Explain Document object model (DOM) with an example.	10	L2	CO3
	b.	Write a javascript program to show handling of events from textbox and password elements.	10	L3	CO3
		OR			
Q.6	a.	Briefly describe Window object's properties and methods.	10	L2	CO3
	b.	Discuss Event handling. Explain it with an example.	10	L2	CO3

Module – 4					
Q.7	**a.**	Briefly explain the following with examples: 1. AngularJS Numbers 2. AngularJS Strings 3. AngularJS Objects 4. AngularJS Arrays	10	L2	CO4
	b.	Discuss the use of filters in Angular JS with an example.	10	L2	CO4
OR					
Q.8	**a.**	What is Angular JS? Explain the following Angular JS directives: (i) ng_app (ii) ng_model (iii) ng_bind	10	L2	CO4
	b.	Explain AngularJS expressions. Write an Angular JS program to use expressions.	10	L3	CO4
Module – 5					
Q.9	**a.**	What is Angular JS Services? Explain them with examples.	10	L2	CO4
	b.	Write an Angular JS program to demonstrate client-side form validation.	10	L3	CO4
OR					
Q.10	**a.**	Briefly explain about AngularJS Events with an example.	10	L3	CO4
	b.	Explain AngularJS Forms and its elements.	10	L3	CO4

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