



CBCS SCHEME

22MCA24

Second Semester MCA Degree Examination, Dec.2023/Jan.2024

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 with example: i) Web browser ii) Web server iii) MIME	10	L1	CO1
	b.	Discuss the basic structure of xhtml document.	05	L2	CO1
	c.	What are the rules to be following to make use of html elements in xhtml document? Explain.	05	L3	CO1
OR					
Q.2	a.	Write the use of image maps with a suitable example.	10	L2	CO1
	b.	What is a hyperlink? Explain various ways of creating hyperlinks with example.	05	L1	CO1
	c.	Explain forms with examples.	05	L1	CO1
Module – 2					
Q.3	a.	Demonstrate any five CSS selectors and explain their uses with a suitable example.	10	L3	CO2
	b.	Write the different ways of including CSS style information to a html document.	10	L3	CO2
OR					
Q.4	a.	Illustrate what is an array in JavaScript. Explain the various ways of creating arrays mention any five array methods and explain their use.	5	L3	CO2
	b.	Write JavaScript program that accepts a value 'n' as input from the user and display the first 'n' Fibonacci numbers as output.	5	L3	CO2
	c.	Illustrate events and write how to handle events with an example.	5	L3	CO2
	d.	With a code snippet write a Javascript program that accepts valid USN input and display an error message otherwise. USN format 'XX00XXX00' where 'X' is an uppercase alphabet, '0' is digit.	5	L3	CO2
Module – 3					
Q.5	a.	Illustrate what is Bootstrap? What are the features of Bootstrap? Create a simple web page using Bootstrap.	10	L3	CO3
	b.	Illustrate the following : i) Table ii) image iii) Button iv) Progress bar Use bootstrap code snippet.	10	L3	CO3
OR					
Q.6	a.	Classify briefly on the Grid System of Bootstrap.	10	L3	CO3
	b.	List out various types of forms in Bootstrap. Explain their use with code snippet.	10	L3	CO3
Module – 4					
Q.7	a.	Categorize what is JQuery? What are the advantages of JQuery.	05	L3	CO3
	b.	Illustrate the syntax of JQuery script with a suitable example.	05	L3	CO3
	c.	Write a JQuery program to animate a rectangular Box.	05	L3	CO3
	d.	Directives of JQuery in brief with example.	05	L3	CO3

OR					
Q.8	a.	Mention any ten jquery selectors and explain their use with code snippet.	10	L3	CO4
	b.	Demonstrate the use of any 5 JQuery method to manipulate html elements with code snippet.	05	L3	CO4
	c.	Write a JQuery program that performs fading in and fading out of the html element.	05	L3	CO4
Module – 5					
Q.9	a.	Brief what is an Angular JS. Angular JS Directives. Explain the use of the directives with code snippet.	10	L3	CO5
	b.	Use of filter in Angular JS? Use of JSON, currency, number, lowercase.	05	L3	CO5
	c.	Demonstrate \$ scope with an example.	05	L3	CO3
OR					
Q.10	a.	Demonstrate client side form validation by using Angular JS program.	10	L3	CO6
	b.	With code snippet, explain the use of controllers in Angular JS.	10	L3	CO6
