



# CBGS SCHEME

22MCA24

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Second Semester MCA Degree Examination, June/July 2023

## 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	CO6
	b.	Briefly explain the following: (i) URL (ii) MIME (iii) Web server (iv) Web browser	10	L2	CO6
OR					
Q.2	a.	Discuss the basic structure of a HTML5 webpage.	04	L2	CO6
	b.	List and explain any three from elements in HTML5 with a suitable example.	06	L2	CO6
	c.	Explain the following tags with examples: (i) Heading tag (ii) Hypertext link tag (iii) Image tag (iv) Audio and video tags (v) Progress tag	10	L2	CO6
Module – 2					
Q.3	a.	What is CSS? Describe the different levels of CSS style sheets and their precedence.	10	L2	CO2
	b.	Mention any five CSS selectors and explain their use with a suitable example.	10	L2	CO2
OR					
Q.4	a.	What is an array in Javascript? Explain the various ways of creating arrays. Mention any five array methods and explain their use.	10	L2	CO2
	b.	Write a Javascript program that accepts a value 'n' as input from the user and display the first 'n' fibonacci numbers as output.	04	L2	CO2
	c.	Discuss the following Javascript methods: (i) alert( ) (ii) prompt( ) (iii) confirm( )	06	L2	CO2
Module – 3					
Q.5	a.	What is boot strap? What are the features of boot strap? Create a simple webpage using boot strap.	10	L3	CO4
	b.	Discuss on the following by using boot strap code snippet: (i) Table (ii) Image (iii) Button (iv) Progress bar	10	L3	CO4

OR					
Q.6	a.	List out the various types of forms in boot strap. Explain their use with code snippet.	10	L3	CO4
	b.	Discuss briefly on the Grid system of boot strap.	05	L3	CO4
	c.	Explain boot strap progress bars with code snippet.	05	L3	CO4
Module – 4					
Q.7	a.	What is jQuery? What are the advantages of jQuery? Explain the syntax of jQuery script with a suitable example.	10	L2	CO1
	b.	Develop jQuery programs to implement the following jQuery effects: (i) Show() and hide ()      (ii) fadeIn() and fadeout()	10	L2	CO1
OR					
Q.8	a.	What is jQuery HTML? What are the methods used for DOM manipulation? Develop a jQuery program to get attribute values.	10	L2	CO1
	b.	What is an event? List the common events found in jQuery. Develop a jQuery program to implement mouse enter() jQuery event.	10	L2	CO1
Module – 5					
Q.9	a.	What is Angular JS? Explain the following Angular JS directives: (i) ng_app      (ii) ng_model      (iii) ng_bind	08	L2	CO5
	b.	Write an Angular JS program to use expressions.	06	L2	CO5
	c.	Briefly discuss the use of filter in Angular JS with an example.	06	L2	CO5
OR					
Q.10	a.	What is a Angular JS Service? Explain any three of them by using code snippet.	10	L2	CO5
	b.	Write an Angular JS program to demonstrate client-side form validation.	10	L2	CO5

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