

Basavarajeswari Group of Institutions

**2024 SCHEME**

# BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

USN 

--	--	--	--	--	--	--	--	--	--

Course Code 

M	M	C	1	0	5
---	---	---	---	---	---

## First Semester MCA Degree Examinations, April 2025

# WEB TECHNOLOGIES

Duration: 3 hrs

Max. Marks: 100

*Note:* 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. Missing data, if any, may be suitably assumed

<u>Q. No</u>	<u>Question</u>	<u>Marks</u>	<u>(RBTL:CO: PI)</u>
<b><u>MODULE – 1</u></b>			
1.	a. Write a note on web browsers and HTTP.	06	(1:1:2.2.3)
	b. Describe the general format of HTML program with an example.	08	(2:1:2.4.4)
	c. Explain the image tag with any two attributes. Write an example program to illustrate adding an image to a web page.	06	(2:1:2.2.2)
(OR)			
2.	a. Discuss different types of lists in HTML with an example.	10	(2:1:2.1.2)
	b. Explain <SPAN> and <DIV> tags with examples.	10	(2:1:2.2.1)
<b><u>MODULE – 2</u></b>			
3.	a. Explain the box model component layout with a neat diagram.	08	(2:2:3.2.2)
	b. Describe arithmetic and comparison operators in JavaScript.	06	(1:2:2.3.1)
	c. Write a JavaScript program to display Fibonacci series.	06	(1:2:2.4.1)
(OR)			
4.	a. Discuss the advantages of JavaScript.	06	(2:2:2.4.3)
	b. Write the syntax and explain switch statement in JavaScript with an example program.	08	(1:2:2.4.2)
	c. Write a JavaScript program to check whether the given number is a Palindrome or not.	06	(1:2:2.4.2)
<b><u>MODULE – 3</u></b>			
5.	a. Write a short note on DOM.	05	(1:3:2.4.3)
	b. Define string. Explain any three string handling functions in JavaScript.	07	(1:3:2.3.2)
	c. Discuss about event handling. Explain any two types of events with an example program.	08	(4:3:2.3.2)
(OR)			
6.	a. Explain any two form events with an example program.	08	(2:3:2.4.3)
	b. Describe keyup and keydown event handling in JavaScript with an example program.	08	(1:3:2.3.2)
	c. Write a short note on addEventListener() method with a suitable example.	04	(1:3:2.3.2)

**MODULE – 4**

7. a. Develop and demonstrate using jQuery to solve the following: **10** (2:4:2.4.2)  
Limit character input in the text area including count.
- b. Develop and demonstrate using jQuery to solve the following: **10** (2:4:2.4.2)  
Fade in and fade out all division elements.

**(OR)**

8. a. Briefly describe uses of jQuery. **04** (2:4:3.2.3)
- b. Write a jQuery program to display the area of a triangle when base and height are entered as input. **08** (1:4:2.4.1)
- c. Explain hide() and show() methods in jQuery effects with an example program. **08** (2:4:2.4.1)

**MODULE – 5**

9. a. List and explain the applications of PHP. **08** (1:5:2.4.3)
- b. Write a PHP program to display biggest of two given numbers. **06** (1:5:2.3.1)
- c. Write the syntax and explain the while loop in PHP. **06** (2:5:3.1.1)

**(OR)**

10. a. Write a PHP program to check whether the given year is a leap year or not. **10** (1:5:2.3.1)
- b. Explain if-else statement and switch statement in PHP with suitable examples. **10** (2:5:2.4.3)

\*\* \*\* \*