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Course Code

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First Semester MCA Degree Examinations, November 2024
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>
<u>MODULE – 1</u>			
1.	a. Discuss the operations and characteristics of web browsers and web servers.	10	(2:1:1.2.5)
	b. Illustrate the following tags with an example: (i) (ii) <meta> (iii) <a> (iv) <frame>	10	(2:1:1.6.1)
(OR)			
2.	a. Explain HTTP protocol with its phases in detail.	10	(2:1:1.2.2)
	b. Create an html document that defines a table with column with state names, state capital, state bird and state flower. There must be at least three states in a table, include cell space and padding attributes.	10	(2:1:1.3.2)
<u>MODULE – 2</u>			
3.	a. Briefly explain different levels of style sheets with suitable examples.	10	(2:2:1.6.1)
	b. Write a XHTML and CSS document to illustrate different font properties.	10	(5:2:2.3.1)
(OR)			
4.	a. Differentiate class selector from ID selector with syntax & examples.	10	(2:2:1.6.1)
	b. Demonstrate how to include background images, colours and borders in CSS.	10	(2:2:2.3.1)
<u>MODULE – 3</u>			
5.	a. Explain screen output and keyboard input statements available in JavaScript.	10	(2:3:1.6.1)
	b. List and explain cooping statements in JavaScript.	10	(5:3:2.3.1)
(OR)			
6.	a. List the uses of JavaScript. Discuss string object in JavaScript.	10	(2:3:1.6.1)
	b. Demonstrate events and event handling in JavaScripts with suitable examples.	10	(5:3:2.3.1)
<u>MODULE – 4</u>			
7.	a. Define jQuery. Demonstrate different selectors used in jQuery.	10	(2:4:1.6.1)

- b.** Develop and demonstrate using jQuery to solve the following: **10** (5:4:2.3.1)
(i) Fade in and fade out all division elements
(ii) Animate an element, by changing its height and width.

(OR)

- 8. a.** Write the syntax of jQuery with any two simple programs. **10** (2:4:1.6.1)
b. Discuss jQuery effects with commonly used methods. **10** (5:4:2.3.1)

MODULE – 5

- 9. a.** What is AngularJS? Explain most important core features of AngularJS. **10** (2:5:1.6.1)
b. Write an Angular JS Program to demonstrate client side form validation. **10** (5:5:2.3.1)

(OR)

- 10. a.** How AngularJS integrates with HTML? Explain different directives and their functionalities in AngularJS. **10** (2:5:1.6.1)
b. What is the use of a filter in Angular JS? Explain the use of JSON, Currency, Number and Lowercase filters. **10** (5:5:2.3.1)

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