



# CBCS SCHEME

20MCA23

## Second Semester MCA Degree Examination, Feb./Mar. 2022 Web Technologies

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

### Module-1

- 1 a. Explain the following tags with examples : i) <p> ii) <img> iii) <a> iv) <div>. (08 Marks)  
b. Explain the three types of lists. (08 Marks)  
c. Why MIME is required in HTTP Responses? Write the format of MIME specification. (04 Marks)

OR

- 2 a. Write a XHTML document that defines a table with columns and rows. There must be atleast three rows. Include cellpadding and cellspacing attributes. (08 Marks)  
b. Explain the different form widgets created using the <input> tag. (08 Marks)  
c. Write a note on XHTML frames. (04 Marks)

### Module-2

- 3 a. With an example, explain the different levels of CSS. (10 Marks)  
b. With the help of an example for each, Explain any five array methods of JavaScript. (10 Marks)

OR

- 4 a. What are the different ways of accessing XHTML document elements in Javascript? Explain any two. (10 Marks)  
b. Write a Javascript to check if a given USN is valid or invalid. Explain functions in Javascript. (10 Marks)

### Module-3

- 5 a. What is Bootstrap? What are the advantages of Bootstrap? Give an example for basic HTML template by using Bootstrap. (10 Marks)  
b. What is Responsive Web Design? Explain the Bootstrap element : tables. (10 Marks)

OR

- 6 a. Explain the structure of Bootstrap Grid. (10 Marks)  
b. Explain with an example, the Bootstrap "Button classes" for different styles of Buttons in bootstrap CSS. (10 Marks)

### Module-4

- 7 a. What are the two ways of adding jQuery to your web pages? Explain the document ready handler with syntax. (10 Marks)  
b. What is the use of jQuery selectors? Explain any 3 jQuery selectors. (10 Marks)

OR

- 8 a. Explain any five jQuery Event Methods. (10 Marks)  
b. Write a note on : i) jQuery HTML ii) jQuery CSS. (10 Marks)

### Module-5

- 9 a. What is Angular JS? Explain Angular JS architecture with a neat diagram. (10 Marks)  
b. Explain Angular JS forms with relevant code snippets. (10 Marks)

OR

- 10 a. Write a note on directives and expressions. (10 Marks)  
b. What is a service in Angular JS? With a code snippet, explain \$http service, and time out service. (10 Marks)

\*\*\*\*\*

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice.