

CBCS SCHEME

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20MCA23

Second Semester MCA Degree Examination, July/August 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. Write short notes on the following :
i) Web browser
ii) Web server
iii) MIME (10 Marks)
b. Discuss the basic structure of a XHTML document. (05 Marks)
c. What are the rules to be followed to make use of the html elements in a XHTML document? Explain. (05 Marks)

OR

- 2 a. Demonstrate the use of image maps with a suitable example. (10 Marks)
b. What is a hyperlink? Explain the various ways of creating hyper links with example. (10 Marks)

Module-2

- 3 a. Mention any five CSS selectors and explain their use with a suitable example. (10 Marks)
b. Discuss on the different ways of including CSS style information to a HTML document. (10 Marks)

OR

- 4 a. What is an Array in Javascript? Explain the various ways of creating arrays. Mention any 5 array methods and explain their use. (10 Marks)
b. Write a Javascript program that accepts a value 'n' as input from the user and display the first 'n' fibonacci numbers as output. (05 Marks)
c. Write a Javascript program that accepts valid USN as input and displays an error message otherwise. USN format 'XX00 XXX 00' where 'X' is an upper case alphabet, '0' is a digit. (05 Marks)

Module-3

- 5 a. What is Bootstrap? What are the features of Bootstrap? Create a simple web page using Bootstrap. (10 Marks)
b. Discuss on the following :
i) Table
ii) Image
iii) Button
iv) Progress bar.
Use Bootstrap code snippet. (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.

OR

- 6 a. Discuss briefly on the Grid system of Bootstrap. (10 Marks)
b. List out the various types of forms in Bootstrap. Explain their use with code snippet. (10 Marks)

Module-4

- 7 a. What is JQuery? What are the advantages of JQuery? (06 Marks)
b. Explain the syntax of JQuery script with a suitable example. (06 Marks)
c. Write a JQuery program to animate a rectangular Box. (08 Marks)

OR

- 8 a. Mention any ten JQuery selectors and explain their use with code snippet. (10 Marks)
b. Demonstrate the use of any five JQuery method to manipulate HTML elements with code snippet. (05 Marks)
c. Write a JQuery program that performs fading in and fading out of the HTML element. (05 Marks)

Module-5

- 9 a. What is an angular JS Directive? Explain the use of the following directives with code snippet. (08 Marks)
b. What is the use of a filter in Angular JS? Explain the use of JSON, Currency, Number, Lowercase. (08 Marks)
c. Demonstrate \$ scope with an example. (04 Marks)

OR

- 10 a. Write an Angular JS program to demonstrate client-side form validation. (10 Marks)
b. With code snippet, explain the use of controllers in Angular JS. (10 Marks)

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