

Exam Date & Time: 12-Jul-2023 (02:30 PM - 05:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.TECH END SEMESTER MAKE- UP EXAMINATIONS, JULY 2023

WEB PROGRAMMING [CSE 4310]

Marks: 50

Duration: 180 mins.

A

Answer all the questions.

Instructions to Candidates: Answer ALL questions Missing data may be suitably assumed

- 1) Write on the importance of HTML source code view highlighting the different view options. (4)
 - A)
 - B) Write attribute specification to display the linked page in the current browser window and in a new window. Write complete HTML code to implement the following in a web page:
 - i. HTML link to display the linked page in a default setting (3)
 - ii. HTML link to an Email address
 - C) Show how controls attribute is used in HTML multimedia support. Give attribute specification for HTML video support giving significance of each attribute highlighting the display using and without using controls attribute. (3)
- 2) Write four elements that could be part of HTML head element and explain its usage. (4)
 - A)
 - B) Summarize the grouping and universal CSS selectors highlighting their significance in CSS internal style definition. (3)
 - C) Bring about the significance of perspective by showing the output for rotateY method with and without perspective. Show a sample output for perspective of 500 pixels with an angle of 45 degrees. (3)
- 3) Show a sample JavaScript code in body element and explain the significance of JavaScript usage. Why there is preference for placing scripts at the bottom of the body element? (4)
 - A)
 - B) Identify three scenarios that make use of conditional statements in web pages. Illustrate with a sample JavaScript code that uses ternary operator. (3)
 - C) Write a JavaScript program that prompts the user for a favourite programming language (3) and displays the suitable responses by using switch statement.

- 4) What are the two main tasks to set up jQuery code in an HTML document. Assume that head element makes use of external CSS file. Give a complete HTML code with external CSS style definition and jQuery code. (4)
- A)
- B) The traditional DOM methods for selecting page elements are regarded as not intuitive. Justify the statement by highlighting the DOM interpretation issues depicting a DOM tree for a sample HTML code. (3)
- C) Identify atleast three ways in which an action can be performed after selecting the HTML element using jQuery. List them with suitable examples. (3)
- 5) With complete jQuery code, illustrate how new content could be added at the beginning of selected content using jQuery. Give its use case scenario. (4)
- A)
- B) With suitable code sample, show how CSS property could be set within jQuery code. (3)
- C) Distinguish between text and html methods in jQuery. Where are they useful? (3)

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