



## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – MCA-2024

Course Name – Interactive Web Designing

Course Code - MCA17103 (T)

( Semester I )

Library  
Brainware University  
398, Ramkrishnapur Road, Barasat  
Kolkata, West Bengal-700125

Full Marks : 40

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 10=10

1. Choose the correct alternative from the following :

- (i) Which tag is used to create the largest heading in HTML?
  - a) < h6 >
  - b) < h3 >
  - c) < h1 >
  - d) < h4 >
- (ii) What tag is used to create a table row?
  - a) < td >
  - b) < tr >
  - c) < table >
  - d) < th >
- (iii) Identify the tag is used to define a table header in HTML.
  - a) < th >
  - b) < td >
  - c) < tr >
  - d) < thead >
- (iv) In an HTML form, associate the attribute of the < input > tag that specifies the type of input field, such as text, password, or checkbox.
  - a) method
  - b) type
  - c) action
  - d) name
- (v) Which tag is used to group together elements such as checkboxes or radio buttons within a form for organizational purposes?
  - a) < div >
  - b) < fieldset >
  - c) < section >
  - d) < legend >
- (vi) Select the use of < caption > tag in an HTML table.
  - a) It defines the heading of a table.
  - b) It adds a title to a table.
  - c) It adds a new row to a table.
  - d) It creates a hyperlink in a table.
- (vii) Select the tag used to create a numbered list in HTML.
  - a) < ul >
  - b) < ol >
  - c) < dl >
  - d) < li >
- (viii) Compare the advantages of using HTML tables versus CSS for webpage layout design.

- a) Tables are more efficient than CSS for layout design.
  - b) CSS provides greater flexibility and control over layout than HTML tables.
  - c) Both CSS and HTML tables have the same functionality.
  - d) HTML tables load faster than CSS layouts.
- (ix) Evaluate the pros and cons of using anonymous functions in JavaScript.
- a) Anonymous functions cannot be used with event listeners.
  - b) Anonymous functions provide more flexibility but can make debugging harder.
  - c) Anonymous functions are always faster than named functions.
  - d) Anonymous functions are only allowed in loops and arrays.
- (x) Evaluate which method is the most efficient for converting a string into an array of words in JavaScript.
- a) split()
  - b) push()
  - c) join()
  - d) concat()

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**Group-B**  
 (Short Answer Type Questions)

3 x 5=15

- 2. Name three basic HTML tags used for formatting text. (3)
- 3. Describe the difference between ordered ( < ol > ) and unordered lists ( < ul > ) in HTML. (3)
- 4. How can you create a hyperlink that opens in a new tab in HTML? (3)
- 5. Evaluate the performance implications of manipulating the DOM frequently in JavaScript. (3)
- 6. Analyze the behavior of the === operator compared to the == operator in JavaScript. (3)

**OR**

Explain how forEach() method in JavaScript arrays is different from a for loop. (3)

**Group-C**  
 (Long Answer Type Questions)

5 x 3=15

- 7. Explain the purpose of HTML tags and attributes. (5)
- 8. Evaluate the effectiveness of Bootstrap's grid system in managing complex layouts. (5)
- 9. Explain the significance of the < p > tag in HTML, and demonstrate how the < p > tag is used to structure paragraphs within the body of an HTML document. (5)

**OR**

Explain the importance of the alt attribute in the < img > tag. Why is it recommended, and how does it contribute to web accessibility? Provide an example. (5)

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