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Library
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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – Dip.CSE-2024

Course Name – Web Technologies

Course Code - DCS40113

(Semester IV)

Full Marks : 60

Time : 2:30 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 15=15

1. Choose the correct alternative from the following :

- (i) Select from the following option for the purpose of the HTML < table > element in web development.
 - a) Define a table
 - b) Create a form
 - c) Add an image
 - d) Define a list
- (ii) Select the HTML attribute that is used to specify the location of an image file.
 - a) src
 - b) alt
 - c) href
 - d) img-src
- (iii) Choose the CSS property controls the spacing between letters in a text.
 - a) letter-spacing
 - b) word-spacing
 - c) text-spacing
 - d) character-spacing
- (iv) Choose the method for specifying a font family in CSS.
 - a) font-family
 - b) family-font
 - c) font-style
 - d) typeface
- (v) Choose the CSS property about cursor.
 - a) It indicates that the element cannot be clicked
 - b) It changes the cursor to a forbidden sign
 - c) It makes the cursor invisible
 - d) It disables the element
- (vi) Apply the CSS property used to set the font size.
 - a) font-size
 - b) text-size
 - c) size
 - d) font-style
- (vii) Identify the attribute that is used to provide an alternative text for an image, helpful for screen readers and in case the image fails to load.
 - a) alt
 - b) title
 - c) src
 - d) image-description

- (viii) Identify the significance and utility of the caption element within an HTML table.
- To provide a title or caption for the table
 - To merge cells in a row using a caption
 - To create a border around the entire table
- (ix) Identify the role of the < Head > element.
- To define a header cell
 - To apply a background color
 - To create a footer for the table
- (x) Choose the correct CSS property for setting the width of an element, including content, padding, and border.
- width: auto
 - width: content-box
 - width: border-box
 - width: box-model
- (xi) Select the technology that allows web pages to adjust their layout based on the size of the browser window.
- HTML
 - CSS
 - JavaScript
 - XML
- (xii) Select the term that refers to a set of rules for transferring data over the Internet.
- Protocol
 - Platform
 - Program
 - Procedure
- (xiii) Identify which of the following is NOT a type of website.
- Static website
 - Dynamic website
 - Web server
 - Responsive website
- (xiv) Identify the component of a URL that specifies the location of a resource on a server.
- Domain
 - Path
 - Port
 - Query string
- (xv) Select the protocol that is commonly used for transferring files over the Internet.
- HTTP
 - FTP
 - SMTP
 - TCP

Group-B

(Short Answer Type Questions)

3 x 5=15

- Explain the purpose of the HTML < iframe > element.
- Define web browser and web server .
- Explain universal selectors with an example.
- Explain the difference between padding, border in CSS box model.
- Examine the concept of chaining in jQuery.

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(3)
(3)
(3)
(3)
(3)

OR

Analyze the delegation concept in jQuery.

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- State the working principle of search engine.
- Describe the uses frames in HTML and give an example of vertical frame.
- Explain the difference between margin and padding in CSS.
- Analyze the concept of traversing with jQuery selectors.
- Examine JQuery handle process in AJAX interactions.
- Analyze benefits of Using jQuery and jQuery Selectors.

(5)
(5)
(5)
(5)
(5)
(5)

OR

Analyze jQuery Event Methods with respect to native JavaScript event handling.

(5)