# BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – Dip.CSE-2022/Dip.CSE-2023
Course Name – Web Technologies
Course Code - DCSE-PC404
( 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 the HTML attribute that is used to specify the location of an image file.

a) src                                          b) alt
c) href                                         d) img-src

(ii)  Choose the CSS property used to set the font size.

a) font-size                                    b) text-size
c) size                                         d) font-style

(iii) Choose the method for specifying a font family in CSS.

a) font-family                                  b) family-font
c) font-style                                   d) typeface

(iv)  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

(v)   Choose the correct CSS property for setting the width of an element, including content, padding, and border.

a) width: auto                                  b) width: content-box
c) width: border-box                            d) width: box-model

(vi)  Choose the following parts included in the CSS box model.

a) Content, Padding, Border, Margin             b) Header, Footer, Content, Sidebar
c) Text, Image, Link, Button                    d) Element, Wrapper, Container, Box

(vii) Cite the correct attribute used to specify the source of an image in HTML.

a) href                                         b) link
c) src                                          d) alt

(viii) Identify the correct HTML tag used for defining a line break.

a) < lb >                                       b) < br >

c) < break >                                    d) < linebreak >

(ix) Identify the correct HTML tag used for defining the metadata of a web page.

a) < metadata >                                 b) < meta >
c) < head >                                     d) < info >

(x) Cite the attribute used to specify the font size of text in HTML.

a) font-size                                    b) size
c) text-size                                    d) fontsize

(xi) Select the correct statement regarding HTML tables.

a) HTML tables are used only for text         b) Tables in HTML cannot have nested
   formatting.                                    structures.
c) HTML tables offer advantages in organizing  d) Tables in HTML are deprecated and should
   data and layout.                               not be used.

(xii) Select the technology that is commonly used for creating dynamic web pages.

a) HTML                                         b) CSS
c) JavaScript                                   d) XML

(xiii) Identify the protocol is commonly used for transferring files over the Internet.

a) HTTP                                         b) FTP
c) SMTP                                         d) TCP

(xiv) Identify from the following that is NOT a characteristic of a static website.

a) Content changes frequently                   b) Content remains the same for all users
c) Built using HTML and CSS                     d) No interaction with the user

(xv) Choose CSS property that is used to specify the amount of space between the border
     and the content of an element.

a) padding                                      b) margin
c) border-spacing                               d) spacing

## Group-B
### (Short Answer Type Questions)                                    3 x 5=15

2. Explain the purpose of the HTML < iframe > element.                       (3)
3. Distinguish between linking to an image, email address and website.       (3)
4. Explain universal selectors with an example.                             (3)
5. Define search engine.                                                    (3)
6. Analyze the Fade effect in JQuery.                                       (3)

**OR**

   Analyze the Slide effect in JQuery.                                      (3)

## Group-C
### (Long Answer Type Questions)                                     5 x 6=30

7.  Explain the box model in CSS.                                           (5)
8.  Explain the benefits of creating a responsive website, and how it improves user experience. (5)
9.  Analyze jQuery Event Methods with respect to native JavaScript event handling.   (5)
10. Analyze the concept of JQuery event delegation.                         (5)
11. Tabulate the advantages and disadvantages of static, dynamic.          (5)
12. Examine JQuery handle process in AJAX interactions.                      (5)

**OR**

   Examine JQuery selectors working process.                                (5)

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