BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – Dip.CSE-2022
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 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) Identify the HTML tag that is used to create a line break within text, facilitating content flow onto the next line.

   a) < break >   b) < line >
   c) < bl >   d) < br >

   (iii) Identify the purpose of the width and height attributes in an HTML image tag.

   a) Define the dimensions of the image b) Set the image alignment
   c) Add a border to the image   d) Specify the image format

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

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

   (v)   Choose the CSS property used to specify the type of list item marker.

   a) list-type   b) marker-type
   c) list-style-type   d) item-marker

   (vi) Apply the CSS property used to set the font size.

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

   (vii) Choose the CSS property used to specify the type of list item marker.

   a) list-type   b) marker-type
   c) list-style-type   d) item-marker

   (viii) List 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

(ix) Identify the technology that is used for the client-server model in web architecture.

a) HTML
b) CSS
c) AJAX
d) HTTP

(x) Indenty the main purpose of a web server.

a) Storing web pages
b) Rendering web pages
c) Delivering web pages to clients
d) Creating web pages

(xi) Identify the type of website that allows users to interact with the content.

a) Static website
b) Dynamic website
c) Responsive website
d) E-commerce website

(xii) Identify the protocol that is used for sending emails over the Internet.

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

(xiii) Identify component of a URL that specifies the location of a resource on a server?

a) Path
b) Port
c) Domain
d) Query string

(xiv) Identify the correct way to define a frame in HTML:

a) < frame >
b) < f >
c) < iframe >
d) < fr >

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

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

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

2. Discuss the usage of following tags: < p >,< br >,< hr >. (3)
3. Define Web Technology . (3)
4. Explain how can you integrate CSS file to your webpage? (3)
5. Explain the advantages of CSS. (3)
6. Analyze the concept of event delegation in jQuery. How does it work and what are its (3)
   advantages?

OR

Examine how can you insert a header/footer in HTML pages using JQuery? (3)

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

7. Explain the box model in CSS. How does it impact the layout of elements on a webpage? (5)
8. Analyze how do jQuery selectors facilitate the targeting and manipulation of HTML (5)
   elements within a web page?
9. List the elements of WWW. (5)
10. Classify the HTML Tags. (5)
11. Analyze how does JQuery improve performance and maintainability in web projects? (5)
12. Analyze the role of jQuery Event Methods in creating responsive and interactive user (5)
    interfaces.

OR

Analyze the concept of traversing with jQuery selectors. How does traversing help in DOM (5)
manipulation, and what are the different traversal methods available? Provide examples to
clarify your explanation.