# BRAINWARE UNIVERSITY

### Term End Examination 2023-2024
### Programme – MCA-2022/MCA-2023
### Course Name – Interactive Web Designing
### Course Code - MCA102
### ( Semester I )

**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 correct definition of jQuery.

a) A JavaScript library

b) A programming language

c) An operating system

d) A web server

(ii) What does jQuery provide for animations and effects?

a) Built-in functions

b) Machine learning models

c) Cryptographic algorithms

d) Social media integration

(iii) 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

(iv) Which HTML tag is used to create a line break within text, facilitating content flow onto the next line.

a) < break >

b) < line >

c) < lb >

d) < br >

(v) Select the HTML attribute that is used to specify the location of an image file.

a) src

b) alt

c) href

d) img-src

(vi) Examine the functionality and impact of the \" colspan \" attribute in table elements.

a) To span a cell horizontally

b) To span a cell vertically

c) To set the column width

d) To add a border around a cell

(vii) Justify the correct method for form submission:

a) Use the submit() method

b) Trigger the sendForm() function

c) Apply the formSubmit event listener

d) Call the postForm() function

(viii) How many columns are available in the Bootstrap grid system by default?

a) 6

b) 10

c) 12

d) 8

(ix) How to generate method for communication between an < iframe > and its parent document?

a) Using the postMessage() method
b) Applying the sendData() function
c) Setting the communication attribute
d) Calling the parentMessage() function

(x) HTML is considered as _____ language.

a) Programming Language
b) OOP Language
c) High Level Language
d) Markup Language

(xi) What is the CSS property used to change the cursor type when hovering over an element?

a) mouse-cursor
b) cursor-type
c) pointer
d) mouse-pointer

(xii) What is the purpose of the CSS property \" table-layout \" ?

a) It determines the layout of the table cells
b) It controls the visibility of the table
c) It sets the background color of the table
d) It defines the font size of the table

(xiii) Select the appropriate value for the position property that keeps an element in its normal flow but allows it to be positioned using the top, right, bottom, and left properties.

a) relative
b) fixed
c) absolute
d) static

(xiv) What is client-side scripting?

a) Code executed on the server
b) Code executed on the client\'s browser
c) Code executed on a mobile device
d) Code executed on the cloud server

(xv) What does the typeof operator return in JavaScript?

a) The type of a variable or expression
b) The value of a variable
c) The length of a string
d) The position of an element in an array

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

3 x 5=15

2. Explain the purpose of CSS float property (3)
3. Distinguish between an alert box and a confirm box. (3)
4. Differentiate between wordpress.org and wordpress.com. (3)
5. What is the difference between linking to an image, a website and an email address? (3)
6. Determine the essential key features of jQuery UI. (3)

### OR

How to assess reading and writing settings in WordPress? (3)

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

5 x 6=30

7. Examine the benefits of using a jQuery accordion to display the contents on a website. Also compare it to using a static list. (5)
8. Analyze the advantages of using an ordered list < ol > over an unordered list < ul > for presenting a sequential set of instructions or steps. Give an example. (5)
9. Distinguish between bootstrap tabs and accordions (5)
10. Design a simple calculator using Javascript functions. (5)
11. Describe on JavaScript control statements with suitable example. (5)
12. Distinguish between web design and web development. (5)

### OR

Distinguish different types of website layouts (5)

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