



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

BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – BCA-Hons-2023

Course Name – Internet and Web Technologies

Course Code - BCA37002 (T)

(Semester III)

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 of the following tags has no end tag ?
 - a) input
 - b) br
 - c) hr
 - d) all of these
- (ii) Choose from the following - CGI is a
 - a) Client side programming
 - b) Server side programming
 - c) Both side programming
 - d) None of these.
- (iii) What does DHTML stand for?
 - a) Dynamic HyperText Markup Language
 - b) Direct HyperText Markup Language
 - c) Document Hypertext Markup Language
 - d) Document Handling Markup Language
- (iv) Which input type is used to input an address in a form?
 - a) < input type= " text " >
 - b) < input type= " email " >
 - c) < input type= " password " >
 - d) < input type= " address " >
- (v) Which of the following CSS property is used to make the text bold?
 - a) text-decoration: bold
 - b) font-weight: bold
 - c) font-style: bold
 - d) text-align: bold
- (vi) Which of the following best defines a web page?
 - a) A program that connects to a database
 - b) A client-side application
 - c) A tool for designing websites
 - d) A document on the World Wide Web that is displayed in a web browser
- (vii) In JavaScript, which keyword is used to declare a variable that can be reassigned later, as inferred by the context?
 - a) 'const'
 - b) 'let'
 - c) 'static'
 - d) 'final'
- (viii) Outline the correct way to create a new object in JavaScript.
 - a) let obj = {};
 - b) let obj = [];
 - c) let obj = new Array();
 - d) let obj = new String();

(ix) Which operator is used to compare both the value and the type of two variables in JavaScript?

a) '=='

b) '='

c) '==='

d) '!= '

(x) Infer, which of the following data types is NOT a primitive type in JavaScript?

a) Number

b) Boolean

c) Object

d) String

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Group-B

(Short Answer Type Questions)

3 x 5=15

2. What does the element.textContent method do? (3)
3. What is a conditional (ternary) operator in JavaScript? Provide an example. (3)
4. Discuss the concept of getter and setter methods in JavaScript. (3)
5. Describe how the .fadeIn() and .fadeOut() methods work in jQuery. (3)
6. Explain how jQuery manages the removal of an element from the DOM when it is still undergoing an animation. (3)

OR

Explain which event listener can be used to start an animation when the page loads. (3)

Group-C

(Long Answer Type Questions)

5 x 3=15

7. What are some common methods for handling attributes in JavaScript? (5)
8. What does the try...catch statement do in JavaScript? Provide examples. (5)
9. Describe the difference between \$(document).ready() and window.onload in jQuery. Why is \$(document).ready() preferred for initializing jQuery code? (5)

OR

Describe the purpose of the \$(this) keyword in jQuery? How is it typically used in event handlers? (5)
