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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – BCA(MAWT)-Hons-2024/BCA(MAWT)-Hons-2025

Course Name – Client Side Scripting Lab

Course Code - BMT27002 (T)

(Semester II)

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) What does `document.querySelectorAll()` return?

- a) A single element
- b) A NodeList of elements
- c) An array of elements
- d) An object

(ii) What is the default behavior of the `onsubmit` event in forms?

- a) Redirects to a new page
- b) Refreshes the page
- c) Saves the form data
- d) Triggers JavaScript execution

(iii) Which jQuery function is used to execute code when the document is ready?

- a) `$(document).onload()`
- b) `$(document).ready()`
- c) `$(document).DOMContentLoaded()`
- d) `$(document).setup()`

(iv) What will be the output of the following JavaScript code?

```
var a=5 , b=1
```

```
var obj = { a : 10 } // with keyword in JavaScript with(obj)
```

```
{ alert(b) }
```

- a) 1
- b) 10
- c) 5
- d) error

(v) Identify the output of JavaScript code snippet?

```
var js = 0;
```

```
while (js < 10)
```

```
{ console.log(js); js ; }
```

- a) An exception is thrown
- b) The values of js are logged or stored in a particular location or storage

- c) The value of js from 0 to 9 is displayed in the console d) An error is displayed
- (vi) Among the given statements, which statement defines closures in JavaScript?
- a) JavaScript is a function that is enclosed with references to its inner function scope b) JavaScript is a function that is enclosed with references to its lexical environment
- c) JavaScript is a function that is enclosed within the object to its inner function scope d) JavaScript is a function that is enclosed with references and object both to its inner function scope
- (vii) Identify the output of the following JavaScript code?

```
var txt1 = "good";
```

```
var txt2 = "day";
```

```
document.getElementById("demo").innerHTML = txt1 + txt2;
```

- a) good day b) goodday
- c) error d) undefined
- (viii) If you want to reload the current page using the history object, which method would you use?
- a) history.reload() b) history.go(0)
- c) history.refresh() d) history.current()
- (ix) What will be the output of the following JavaScript code?

```
function equalto()
{
    let num=10;
    if(num==="10")
        return true;
    else
        return false;
}
```

- a) False b) True
- c) Compilation Error d) Runtime Error
- (x) Show the output of the following JavaScript code?

```
<p id="demo"></p>
```

```
<script>
```

```
txt1 = "one";
```

```
txt1 += "two";
```

```
document.getElementById("demo").innerHTML = txt1;
```

```
</script>
```

- a) onetwo b) one two
- c) error d) Undefined

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Group-B
(Short Answer Type Questions)

3 x 5=15

2. What is the difference between '==' and '==='? (3)
3. Write down the differences among var, let, and const. (3)
4. Write down the differences between synchronous and asynchronous code. (3)
5. Write down the differences among call, apply, and bind. (3)
6. Explain what is the difference between Object.freeze and Object.seal. (3)

OR

Explain what is an iterator. (3)

Group-C
(Long Answer Type Questions)

5 x 3=15

7. Write down the usage of 'typeof' operator in Java. (5)
8. Write down the 'throttling' in JavaScript. (5)
9. Explain the purposes of the 'new' keyword. (5)

OR

Briefly explain jQuery selectors and how they help manipulate HTML elements. (5)

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