

CSD2214 Practice Questions and Test Study Syllabus

To practice for the TEST, use enter some HTML/JavaScript and run it in the Debugger.

Start with these questions:

1. When executed, the below JavaScript code will pop up three alerts. Identify the correct answer?

```
var a = 6;
function test() {
  var a = 7;
  function again() {
    var a = 8;
    alert(a); // A
  }
  again();
  alert(a); // B
}
test();
alert(a); // C
```

1. 8; 7; 6
2. 7; 6; 8
3. 6; 7; 8
4. 8; 6; 7

2. Which of the following is the output of the below JavaScript code?

```
function getFunc() {
  var a = 7;
  return function(b) {
    alert(a+b);
  }
}
var f = getFunc();
f(5);
```

1. 7
2. undefined
3. 12
4. 5
5. null

3. Which of the following statements is valid for the features of JavaScript?

1. JavaScript is a lightweight, interpreted programming language.
2. JavaScript is designed for creating network-centric applications.
3. JavaScript is complementary to and integrated with Java.
4. All

4. Which of the following is the output of the below JavaScript code?

```
function() {
  if(true) {
    var a = 5;
```

```
    }  
    alert(a);  
}  
1.    5  
2.    0  
3.    null  
4.    undefined
```

5. What is the output of the following JavaScript snippet?

```
function() {  
    var a = 10;  
    if(a > 5) {  
        a = 7;  
    }  
    alert(a);  
}  
1.    undefined  
2.    10  
3.    null  
4.    7
```

6. Select the correct HTML for creating a hyperlink?

1. None
2. A url="http://www.techbeamers.com">techbeamers.com
3. techbeamers
4. A>http://www.techbeamers.com
5. A name="http://www.techbeamers.com">techbeamers.com

7. Select the appropriate HTML tag used for the largest heading?

1. H1
2. Head
3. None
4. Heading
5. H6

8. Select the option to make a list that lists the items with bullets?

1. None
2. Ol
3. Dl
4. List
5. Ul

9. In CSS,select the property used to set the background color of an image?

1. None
2. background:color
3. color:background
4. background-color
5. color

10. Select the option to make a list that lists the items with numbers?

1. List
2. Ul
3. Dl
4. None
5. Ol

11. Select the appropriate HTML tag for inserting a line break?
1. None
 2. br
 3. lb
 4. brbr
 5. break
12. Consider the following HTML/CSS code:

```
<body>
  <style>
    .text span {color:red;}
    span {color:blue;}
    div {color:green}
    div span P{color:black;}
    p span {color:yellow}
  </style>
  <div>
    <p>
      <span class="text">
        <span>Text</span>
      </span>
    </p>
  </div>
</body>
```

What color will be applied to the text?

1. Red
 2. Blue
 3. Green
 4. Black
 5. Yellow
13. Select the answers which are TRUE:
1. JavaScript is Case Sensitive
 2. JavaScript statements must end with a semi-colon ;
 3. JavaScript, like HTML, can have If Then Statements and For Loops
 4. If you do not specify Variable Types such as string and int, your JavaScript code will have a compiler error
14. Inside which HTML element do we put the JavaScript?
1. <javascript>
 2. <script>
 3. <js>
 4. <scripting>
15. Where is the correct place to insert a JavaScript?
1. The <body> section
 2. Both the <head> section and the <body> section are correct
 3. The <head> section
16. What is the correct syntax for referring to an external script called "xxx.js"
1. <script src="xxx.js">
 2. <script href="xxx.js">
 3. <script name="xxx.js">
17. The external JavaScript file must contain the <script> tag.
1. TRUE
 2. FALSE
18. What is the correct syntax for referring to an external script called "xxx.js"
1. <script src="xxx.js">
 2. <script href="xxx.js">

3. `<script name="xxx.js">`

19. How to write an IF statement in JavaScript?

1. `if (i == 5) then`
2. `if 0 == 5)`
3. `if i = 5`
4. `if i = 5 then`

20. How does a WHILE loop start?

1. `while (i <= 10)`
2. `while (i <= 10; i ++)`
3. `while i = 1 to 10`

BASED ON OUR CLASS DISCUSSIONS, DESCRIBE ALL THE WAYS/Places YOU CAN USE JAVASCRIPT

```
1  <html>
2  <head>
3  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
4  </head>
5  <body>
6
7  <p id="orange">orange</p>
8  <p id="peach">peach</p>
9  <p id="pineapple">pineapple</p>
10 <p id="BlueberryPie"></p>
11 <p id="ApplePie"></p>
12 <p id="CherryPie"></p>
13 <script>
14 $(document).ready(function() {
15   var myElements = $("#orange");
16   $("#ApplePie").text(myElements[0].innerHTML);
17   var myElements = $("#peach");
18   $("#CherryPie").text(myElements[0].innerHTML);
19 });
20 </script>
21 </body>
22 </html>
```

Q 1 What will be the output of this html file?

- (a) orange peach pineapple orange pineapple
- (b) orange peach pineapple orange peach
- (c) peach orange pineapple
- (d) BlueberryPie ApplePie CherryPie

Q 2 We changed Line 17 as follows:

```
var myElements = $("#ApplePie");
```

What will NOW be the output when this page is served up by our Web Server?

- (a) orange peach pineapple orange peach pineapple
- (b) BlueberryPie ApplePie CherryPie

- (c) orange peach pineapple orange orange
- (d) There will be NO OUTPUT due to a JavaScript error.

Q 3 We changed Line 18 as follows:

```
$("#CherryPie").text(myElements[1].innerHTML);
```

What will NOW be the output when this page is served up by our Web Server?

- (a) orange peach pineapple orange
- (b) BlueberryPie ApplePie CherryPie
- (c) orange peach pineapple orange
- (d) orange peach pineapple orange peach

Consider the following code:

```
1 <html>
2 <head>
3 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
4 </head>
5 <body>
6 <div class="fruitbasket">
7   <div class="kangaroo bear">Grapes</div>
8   <div class="kangaroo koala">Cherries</div>
9   <div class="dolphin bear">Strawberries</div>
10 </div>
11 <script>
12 $(document).ready(function() {
13
14
15
16 });
17 </script>
18 </body>
19 </html>
```

Q 4 We changed Line 13 as follows:

```
$( "<p>Australia</p>" ).replaceAll( ".koala" );
```

What will NOW be the output when this page is served up by our Web Server?

- (a) Grapes Cherries Strawberries
- (b) Dolphin Bear Kangaroo
- (c) The page will be blank due to a JavaScript Error
- (d) Grapes Australia Strawberries

Q 5 We changed Line 13 as follows:

```
$( ".dolphin" ).replaceAll( ".bear" );
```

What will NOW be the output when this page is served up by our Web Server?

- (a) The page will be blank due to a JavaScript Error
- (b) Dolphin Bear Bear
- (c) Strawberries Cherries Strawberries
- (d) Grapes Cherries Strawberries

Q 6 We replace Lines 6 to 14 as follows:

```
<div class="fruitbasket">
<div class="kangaroo bear">Grapes</div>
<div class="kangaroo dolphin">Cherries</div>
<div class="dolphin bear">Strawberries</div>
</div>
<script>
    $( ".bear" ).css( "border", "3px solid red" );
    $( ".dolphin" ).css( "border", "3px solid blue" );
</script>
```

What will NOW be the output when this page is served up by our Web Server?

- (a) The page will be blank due to a JavaScript Error
- (b) Grapes has a red border, cherries has no border, strawberries have a blue border
- (c) Grapes has a blue border, cherries has a red border, and strawberries have no border
- (d) Grapes has a red border, cherries and strawberries have a blue border

Q 7 We have now replaced the contents between `<script>` and `</script>` as follows:

```
<script>
    $( ".bear" ).text("fruitbasket");
</script>
</script>
```

What will NOW be the output when this page is served up by our Web Server?

- (a) fruitbasket Cherries fruitbasket
- (b) Grapes Cherries Strawberries
- (c) fruitbasket fruitbasket fruitbasket
- (d) bear koala bear

Analyze the following code:

```
1 <html>
2 <head>
3 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
4 </head>
5 <body>
6 <div class="demo">
7 
8 </div>
9
10 <script>
11 $(".demo").click(function(){
12     $(this).hide(200);
13 });
14
15
16 </script>
17 </body>
18 </html>
```

Q 8 On the back of the Scantron Page, re-write the HTML Code so that:

1. The page now presents a BUTTON
2. When the user clicks the BUTTON, the puppies picture appears (if it was hidden, otherwise the button has no effect)
3. Write your Code NEATLY
4. You do not need to shade in any answer bubble on the Scantron for this Question

Q 9 What are all the ways we can select an HTML Element to make changes to it?

1. HTML Tag
2. id
3. class
4. div

Q 10 Which of the following is shorthand for jQuery function??

1. ()
2. \$
3. class
4. .

Q 11 \$(this) selects_____

\begin{enumerate}

- A. Window object
- B. Current html element
- C. Current calling object
- D. DOM

Q 12 \$("div[class *='myCls']") selects which element(s)?

- A All div elements whose class attribute value is equal to myCls
- B All div elements whose class attribute value starts with myCls
- C All div elements whose class attribute value ends with myCls
- D All div elements whose class attribute value contains myCls

Q 13 Which of the following jQuery method add/remove CSS classes from the selected elements?

- A addClass()
- B removeClass()
- C toggleClass()
- D css()

Q 14 \$("div p.myCls"). What does it select?

- A All div and p elements with class=myCls
- B All the p elements with class=myCls inside div elements.
- C All div elements which is parent of p elements with class=myCls
- D All div and p elements with class=myCls

Q 15 Which of the following method is used to hide the element?

- A hide()
- B display('none')

- C noShow()
- D hidden()