

CS202 Final Term Preparation

Most Imp and repeated MCQS

1: Which of the following is a correct way to access object properties?

- a) `objectName&&propertyName`
- b) `objectName$$propertyName`
- c) `objectName.propertyName`
- d) `objectName.propertyName`

2: The _____ method sorts an array alphabetically.

- a) `arraySort()`
- b) `sort()`
- c) `sort_Asc ()`
- d) `asc_Sort()`

3: The _____ method adds a new element to an array (at the end).

- a) `push()`
- b) `slice()`
- c) `reverse()`
- d) `concat()`

example: `const arr = [1, 2, 3];`

`arr.push(4); // Adds 4 to the end`

`console.log(arr); // [1, 2, 3, 4]`

4: The _____ method slices out a piece of an array into a new array.

- a) `push()`
- b) `slice()`
- c) `reverse()`
- d) `concat()`

example: `const arr = [1, 2, 3, 4, 5];`

`const newArr = arr.slice(1, 4); // [2, 3, 4]`

5: Which of the following is JavaScript Arithmetic Operator?

- a) <=
- b) ||
- c) &&
- d) +

Example:

```
let a = 5;
```

```
let b = 3;
```

```
console.log(a + b); // Output: 8
```

<=: A comparison operator that checks if a value is less than or equal to another value.

&&: A logical AND operator that returns true only if both conditions are true.

6: The ____ operator is used for Increment.

- a) /
- b) %
- c) ++
- d) -

```
let x = 5;  
x++; // Increment x by 1  
console.log(x); // Output: 6
```

/: Division operator, used to divide one value by another.

%: Modulus operator, used to find the remainder of a division.

-: Subtraction operator, used to subtract one value from another.

7: Which of the following is used for “and” Logical Operation?

- a) !

b) &&

c) <=

d) ==

Example:

```
let x = 5;
```

```
let y = 10;
```

```
if (x > 0 && y > 0)
```

```
{ console.log("Both are positive numbers"); // This will be printed }
```

8: Which of the following is used for “or” Logical Operation?

a) !

b) &&

c) ||

d) ==

Example:

||: A logical OR operator that returns true if at least one condition is true.

9: Which of the following is used for “not” Logical Operation?

a) !

b) &&

c) ||

d) ==

10: Use the _____ statement to specify a new condition if the first condition is false.

a) var

b) default

c) const

d) else if

Example: let num = 5;

if (num > 10)

{ console.log("Number is greater than 10"); }

else if (num === 5) { console.log("Number is equal to 5"); }

else { console.log("Number is less than 5"); }

11: Use the ____ statement to specify a block of code to be executed if the condition is false.

a) else

b) if

c) const

d) new

Example: let num = 10; if (num > 15) {

console.log("Number is greater than 15"); }

else { console.log("Number is not greater than 15"); }

12: In Switch statement, when the JavaScript code interpreter reaches a _____ keyword, it breaks out of the switch block.

a) finish

b) default

c) break

d) exit

Exapmle: let fruit = "apple";

switch (fruit) {

case "banana":

console.log("This is a banana.");

break;

case "apple":

```
console.log("This is an apple.");
```

```
break;
```

```
// Exits the switch block here
```

```
default: console.log("Unknown fruit."); }
```

13: In Switch statement, the _____ keyword specifies the code to run if there is no case match.

- a) new
- b) default**
- c) break
- d) code

Example:

```
let color = "purple";
```

```
switch (color) {
```

```
case "red":
```

```
console.log("Color is red.");
```

```
break;
```

```
case "blue":
```

```
console.log("Color is blue.");
```

```
break;
```

```
default: console.log("Color not recognized."); }
```

14: The _____ loop will always be executed at least once, even if the condition is false.

- a) While
- b) do/while**
- c) for/do
- d) while/in

Example:

```
let i = 0;
```

```
do { console.log(i); // This will execute at least once i++; }
```

```
while (i < 0);
```

15: The _____ loop is a variant of the while loop.

- a) for
- b) do/while**
- c) for/do
- d) for/in

```
let i = 0;
```

```
do { console.log(i); // Will execute at least once i++; }
```

```
while (i < 3)
```

16: The _____ statement "jumps over" one iteration in the loop..

- a) var
- b) continu**
- c) new
- d) const

17: The _____ property returns the constructor function for all JavaScript variables.

- a) const-function
- b) function-constructor
- c) constructor**
- d) const

```
let num = 42;
```

```
console.log(num.constructor);
```

```
// Output: [Function: Number]
```

```
let str = "Hello";
```

```
console.log(str.constructor); // Output: [Function: String]
```

18: You can use the _____ operator to find the data type of a JavaScript variable.

- a) var
- b) switch
- c) typeof
- d) mytype

```
let num = 42;
```

```
console.log(typeof num);
```

```
// Output: "number"
```

```
let str = "Hello";
```

```
console.log(typeof str);
```

```
// Output: "string"
```

19: The global method _____ can convert dates to strings.

- a) parseInt()
- b) String()
- c) Date-to-string()
- d) Number()

```
let today = new Date();
```

```
console.log(String(today));
```

```
// Output: The current date in string format
```

20: The unary _____ operator can be used to convert a variable to a number.

- a) %
- b) +
- c) /

d) ?

```
let str = "42";
```

```
let num = +str;
```

```
// Converts the string "42" to the number 42
```

```
console.log(num); // Output: 42
```

21: The _____ method searches a string for a specified value and returns the position of the match.

- a) Search-String()
- b) search()**
- c) Search-Number()
- d) Search-All()

22: The _____ method is a RegExp expression method. It searches a string for a pattern, and returns true or false, depending on the result.

- a) String-find()
- b) Text-search()
- c) test()**
- d) toString()

23: _____ is JavaScript's default behavior of moving all declarations to the top of the current scope.

- a) Declaring
- b) Hoisting**
- c) Hosting
- d) Scoping

24: The _____ statement lets you test a block of code for errors.

- a) try**
- b) flow
- c) finally
- d) catch

25: The _____ statement lets you handle the error.

- a) try
- b) flow
- c) finally
- d) catch

try

```
{ let x = 10; let y = 0; let result = x / y; // This will throw an error (division by zero) }
```

catch (error)

```
{ console.log("An error occurred: " + error.message); // Handles the error }
```

26: if your browser supports debugging, you can use _____ to display JavaScript values in the debugger window.

- a) document.getElementById()
- b) console.log()
- c) echo
- d) catch(err)

27: The _____ keyword stops the execution of JavaScript, and calls (if available) the debugging function.

- a) Debugger
- b) Pause
- c) interrupt
- d) compiler

28: Local variables must be declared with the _____ keyword.

- a) var
- b) switch
- c) if
- d) for

29: If a function is called with a missing argument, the value of the missing argument is set to _____.

- a) 0
- b) -1
- c) **Undefined**
- d) 1

30: All numbers in JavaScript are stored as _____ floating point numbers (Floats).

- a) 12 bits
- b) **bits64**
- c) bits8
- d) bits24

```
let num = 1234567890123456;
```

```
console.log(num);
```

```
// JavaScript can store large numbers, but with potential precision issues due to the 64-bit representation.
```

32: Addition is about adding numbers. Concatenation is about adding strings. In JavaScript both operations use the same _____ operator.

- a) =
- b) /
- c) %
- d) **+**

33: To be null, an object has to be defined, otherwise it will be _____.

Select the correct option

- a) -1
- b) **undefined**
- c) False
- d) True

34: The _____ attribute specifies that the script should be executed after the page has finished parsing, but it only works for external scripts.

- a) delay
- b) **pause**

- c) **defer**
- d) debug

35: Which of the following is used as an event handler in JavaScript?

- a) if
- b) for
- c) switch
- d) **onclick**

```
<button onclick="alert('Button clicked!')">Click Me</button>
```

36: The _____ function evaluates a string and executes it as if it was script code.

- a) parseInt()
- b) **eval()**
- c) string()
- d) number()

```
let x = 10;
```

```
let code = "x + 5";
```

```
console.log(eval(code)); // Output: 15
```

37: To register a function to be invoked repeatedly after a certain time, _____ function is used.

- a) setTimeout()
- b) setTime()
- c) setInterval()
- d) **setInterval()**

```
setInterval(() => { console.log("This will be printed every 2 seconds"); }, 2000); // Executes every 2 seconds
```

38: To cancel any future invocations of a function, “id” returned from _____ is passed to clearTimeout().

- a) setInterval()
- b) setTime()
- c) **setTimeout()**
- d) setInterval()

```
let timeoutId = setTimeout(() => { console.log("This will not run if canceled"); }, 3000);
```

```
clearTimeout(timeoutId); // Cancels the timeout before it executes
```

39: Which of the following is a valid syntax for displaying an alert box with JavaScript.

- a) `messagebox("Hello")`
- b) `message("Hello")`
- c) `alert("Hello")`
- d) `alertbox("Hello")`

40: Which is NOT a method of window object.

- a) `alert()`
- b) `scroll()`
- c) `open()`
- d) `println()`

41: Indexing of forms in a `<form>` collection is done with _____.

- a) `document.form["id"]`
- b) `document.form("id")`
- c) `document.forms("id")`
- d) `document.forms["id"]`

42: _____ is a CSS pseudo selector.

- a) `:required`
- b) `:max`
- c) `:pattern`
- d) `:type`

```
input:required { background-color: yellow; }
```

43: HTML `<form>` element can be accessed in JavaScript by _____.

- a) `document.form`
- b) `document.forms`
- c) `window.forms`
- d) `window.form`

44: What is the full form of DOM?

- a) **Document Object Model**
- b) Document Oriented Model
- c) Document Onhalt Model
- d) Document Oriented Management

45: _____ specifies how the data in a submitted form is sent to the server.

- a) type
- b) send
- c) **method**
- d) action

<form method="POST" action="/submit">

46: _____ attribute imposes that an input field must be filled out when a form is submitted.

- a) fill
- b) include
- c) non-empty
- d) **required**

47: AJAX stands for,

Asynchronous JavaScript and XML

48: XMLHttpRequest object does NOT use _____ method.

- a) send()
- b) setRequestHeader()
- c) open()
- d) **close()**

49: Older versions of Internet Explorer utilize _____ to create an XMLHttpRequest object.

- a) **ActiveX object**
- b) JavaX object
- c) HTTP object
- d) XML object

50: _____ is a property of XMLHttpRequest object.

- a) onDOMload

- b) **onreadystatechange**
- c) oncontentchange
- d) onreceiverequest

51: A type of function, which is passed as a parameter to another function is _____.

- a) **Callback function**
- b) Response function
- c) Event
- d) Trigger

52: _____ event occurs when a user writes something in an <input> field.

- a) onload
- b) onwrite
- c) onclick
- d) **oninput**

```
<input type="text" oninput="console.log(this.value)" placeholder="Type something...">
```

53: _____ is NOT an event handler in JavaScript.

- a) **onwrite**
- b) oninput
- c) onload
- d) onclick

54: jQuery is written in _____ scripting language.

- a) VBScript
- b) **JavaScript**
- c) C#
- d) C++

55: jQuery is a library for _____.

- a) Styling a webpage
- b) PHP language
- c) **Client-side scripting**
- d) Server-side programming

56: How is an element accessed with its id using jQuery?

- a) (id).hide()
- b) \$(id).hide()
- c) (\$id).hide()
- d) \$("#id").hide()

```
$("#myElement").hide();
```

57: Which sign is used as a shortcut for jQuery?

- a) !
- b) \$
- c) %
- d) ?

```
$(document).ready(function() { $("p").text("Hello, jQuery!"); });
```

58: Identify the jQuery syntax used for a class selector.

- a) \$('temp').class
- b) \$('class')
- c) \$('.temp')
- d) \$('#temp')

```
$(".temp").css("color", "blue"); // Selects all elements with the class "temp" and changes their text color to blue.
```

59: With the _____ method elements that match the criteria are returned.

- a) eq()
- b) first()
- c) filter()
- d) not()

```
$("p").filter(".highlight").css("color", "red"); // This selects all <p> elements with the class "highlight" and changes their color to red.
```

eq(): This method selects an element at a specific index from a set of matched elements

first(): This method selects the first element from a set of matched elements.

not(): This method removes elements that match the specified criteria from the set of matched elements.

60: _____ jQuery selector picks the second element from a set of elements.

- a) `$("li").eq(1)`
- b) `$("li").select(2)`
- c) `$("li").index(1)`
- d) `$("li").equal(2)`

61: Which of the following is a jQuery form event?

- a) `resize()`
- b) `keyup()`
- c) `scroll()`
- d) `focus()`

```
$("#input").focus(function() { $(this).css("background-color", "yellow"); });
```

62: _____ is executed when the form field gets focus.

- a) `active()`
- b) `hover()`
- c) `focus()`
- d) `mouseover()`

63: _____ is executed, when the mouse button is released, while the mouse is over the HTML element.

- a) `mouseleave()`
- b) `mouseaway()`
- c) `mouseup()`
- d) `mouseleft()`

```
$("#button").mouseup(function() { alert("Mouse button released!"); });
```

64: _____ jQuery function prevents the code from running before the document is completely loaded.

- a) `$(document).loadready()`
- b) `$(document).ready()`
- c) `$(document).load()`
- d) `$(document).unload()`

```
$(document).ready(function() { // Code to execute after the document is fully loaded $("p").text("Document is ready!"); });
```

65: _____ method gradually changes the opacity for selected elements from hidden to visible.

- a) **fadeIn()**
- b) slideOut()
- c) slideIn()
- d) fadeOut()

```
$("#element").fadeIn(); // Gradually fades in the element.
```

66: _____ method shows the hidden selected elements.

- a) **show()**
- b) display()
- c) fadeIn()
- d) slideDown()

67: _____ gradually changes the opacity for selected elements to a specified opacity in a fading effect.

- a) fadeOut()
- b) **fadeTo()**
- c) fadeAt()
- d) fadeIn()

68: _____ is not an argument of fadeIn() method.

- a) Callback
- b) **Opacity**
- c) Speed
- d) Easing

69: The statement `Math.floor(4.3)` will return _____.

- a) 5
- b) 3
- c) **4**
- d) 4.3

70: Which of the following uses pre-defined tags?

- a) C++

- b) **HTML**
- c) Python
- d) XML

71: _____ allows us to run multiple jQuery methods within a single statement.

- a) Multiple
- b) **Chaining**
- c) Animation
- d) Sliding

72: _____ method is used to set the content of an HTML element including the HTML markup.

- a) **html()**
- b) add()
- c) content()
- d) text()

73: _____ method is used to get or set attribute values of selected elements.

- a) html()
- b) attribute()
- c) src()
- d) **attr()**

74: Which jQuery method is used to remove selected elements?

- a) delete()
- b) **remove()**
- c) clear()
- d) empty()

75: Which of the following jQuery method is used to add one or more classes to the selected elements?

- a) toggleClass() method
- b) css() method
- c) hasClass() method
- d) **addClass() method**

76: Which of the following jQuery method is used to add/remove one or more classes from the selected elements?

- a) fadeToggle() method
- b) toggle() method
- c) toggleClass() method
- d) slideToggle() method

77: The _____ method returns the width of an element including padding and border.

- a) **outerWidth()**
- b) innerWidth()
- c) outerWidth(true)
- d) innerWidth(true)

78: The _____ method returns the height of an element including padding.

- a) **innerHeight()**
- b) outerHeight(true)
- c) innerHeight(true)
- d) outerHeight()

79: Consider the following code:

```
<p>Section I <br>  
<b> Introduction </b> <br>  
<b> Literature Review </b>  
</p>
```

What is the relationship of <p> element with elements?

<p> is the descendant of elements

<p> is a grand-parent of elements

<p> is the sibling of elements

<p> is the parent of elements

80: _____ jQuery method returns the direct children of the selected element.

- a) ancestors()
- b) children()
- c) descendants()
- d) next()

81: _____ jQuery method is used to return the direct parent element of the selected element.

- a) directparent()
- b) parents()
- c) offsetParent()
- d) parent()

82: _____ jQuery method is used to find all subsequent sibling elements of the selected element.

- a) find()
- b) prevAll()
- c) nextAll()
- d) siblings()

83: _____ jQuery method is used to find all preceding sibling elements of the selected element.

- a) prevAll()
- b) find()
- c) nextAll()
- d) siblings()

84: The _____ jQuery method can be used to deal with the name conflicts.

- a) avoidConflict()
- b) conflict()
- c) noConflict()
- d) NameConflict()

85: XML is designed to _____ data.

- a) display
- b) show

- c) carry
- d) hide

86: XML documents are formed as _____.

- a) root trees
- b) special trees
- c) node trees
- d) element trees

87: In XML, sub-elements are also called _____.

- a) sub-nodes
- b) child-nodes
- c) child elements
- d) child roots

88: Root element of XML documents is considered to be the _____ of all other elements.

- a) prolog
- b) note
- c) child
- d) parent

89: Which of the following XML statement is correct according to the XML Syntax Rules.

`<message>This is correct</message>`

`<Message>This is correct</message>`

`<message>This is correct</msg>`

`<message>This is correct</Message>`

90: An element with no content is said to be _____.

- a) free element
- b) self-closing
- c) null element
- d) empty element

91: A namespace must be defined when using _____ in XML.

- a) dtd
- b) **prefixes**
- c) parser
- d) schema

92: _____ is a language that can be used to transform XML documents into other formats.

- a) XLink
- b) **XSLT**
- c) XServer
- d) XQuery

93: Which of the following can be used to describe the structure of an XML document?

- a) None of the given options
- b) XML DTD
- c) **Both XML Schema and XML DTD**
- d) XML Schema

94: Audio controls, like play, pause, and volume are added by _____ attribute.

- a) addcontrols
- b) **controls**
- c) addautoplay
- d) autoplay

<audio controls>

<source src="horse.ogg" type="audio/ogg">

<source src="horse.mp3" type="audio/mpeg">

Your browser does not support the audio element.

</audio>

95: XPath is a major element in the _____ standard.

- a) XQuery
- b) W3C
- c) **XSLT**
- d) XLink

96: XPointer uses _____ to navigate in the XML document.

- a) XSLT expressions
- b) XPath expressions
- c) XTree expressions
- d) XLink expressions

97: In JSON, keys must be _____.

- a) strings, written without quotes
- b) object, written with single quotes
- c) character written with a single quote
- d) strings written with double quotes

98: A section is a _____ of content, typically with a heading.

- a) theoretical grouping
- b) degradation of grouping
- c) thematic grouping
- d) navigational grouping

99: Which of the following is correct with respect to HTML5?

- a) `<table class="table striped">`
- b) `<table CLASS=table striped>`
- c) `<table class=table striped>`
- d) `<table class=TABLE STRIPED>`

100: According to best practices, Try to avoid code lines longer than _____ characters.

100

50

90

80

101: By Default HTML `<canvas>` has no _____ and no _____.

- a) properties, placate
- b) border, properties
- c) border , content
- d) content , properties

102: Which of the following javaScript method draws text on the canvas with no fill?

- a) nofillText()
- b) fillText()
- c) holoText()
- d) **strokeText()**

103: Correct syntax of drawImage() method is _____.

- a) drawImage(image, background)
- b) drawImage(image,style)
- c) drawImage(image,border,x,y)
- d) **drawImage(image,x,y)**

104: .ogg format is developed by _____.

Oracle

Youtube

Google

Xiph.Org

105: SVG graphics are resolution _____.

- a) dependent
- b) sustained
- c) **Independent**
- d) Reliant

106: The correct syntax to add controls in <video> element:

Select the correct option

<video width="320" height="240" controls="play |pause">

<video width="320" height="240" controls={play||pause}>

<video width="320" height="240" controls>

<video width="320" height="240" controls="true">

<video width="320" height="240" controls>

`<source src="movie.mp4" type="video/mp4">`

Your browser does not support the video tag.

`</video>`

107: columns property is a shorthand property for setting _____ and _____.

- a) column-height, column-count
- b) column-height, column-width
- c) column-colors, column-count
- d) column-width, column-count

108: What is the correct syntax to make tag draggable?

- a) ``
- b) ``
- c) `<draggableimg />`
- d) ``

``

109: Which of the following stores data without any expiration date?

- a) `window.sessionStorage`
- b) `window.localStorage`
- c) `window.permanentStorage`
- d) `window.constantStorage`

110: The manifest file has _____ sections.

5

3

2

4

Metadata: This section includes information about the application, such as the name, description, version, and icons.

Start URL: Specifies the URL that the app should launch when opened.

Resources: This section defines the resources (files like images, CSS, JS, etc.) that should be cached for offline use.

11: To enable application cache, we need to include the _____ attribute.

- a) bonded
- b) cache
- c) storage
- d) **manifest**

<html manifest="example.appcache">

112: The _____ property specifies the stack order of an element

- a) x-index
- b) **z-index**
- c) d-index
- d) s-index

113: What is the sequence of border-radius values in CSS?

- a) top, bottom, left, right
- b) **top-left, top-right, bottom-right, bottom-left**
- c) bottom-left, bottom-right, top-right, top-left
- d) up, down, front, behind

border-radius: 10px 20px 30px 40px;

114: In CSS3 Border radius property minimum _____ values must be given.

- a) **1**
- b) 3
- c) 4
- d) 2

border-radius: 10px;

115: Which of the following is correct property to set image border in CSS3?

- a) border-picture: url(border.png) 30 round;
- b) image-border: url(border.png) 30 round;
- c) **border-image: url(border.png) 30 round;**
- d) picture-border: url(border.png) 30 round;

border-image: url(border.png) 30 round;

116: Which of the following statement is correct for repeating linear gradient in CSS3?

- a) **background-image: replicate-linear-gradient(red, yellow 10%, green 20%);**
- b) **background-image: incessant-linear-gradient(red, yellow 10%, green 20%);**
- c) **background-image: repeat-linear-gradient(red, yellow 10%, green 20%);**
- d) **background-image: repeating-linear-gradient(red, yellow 10%, green 20%);**

117: Which of the following is not a valid value for size parameter of Radial Gradient in CSS3?

- a) **adjacent-side**
- b) **closest-corner**
- c) **closest-side**
- d) **farthest-side**

118: To create a radial gradient at least _____ colors must be defined.

- a) **2**
- b) **3**
- c) **5**
- d) **4**

119: To add multiple shadows in CSS3 text shadow we use _____ between two shadows.

- a) **And**
- b) **comma**
- c) **Tilde**
- d) **Dot**

text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.3), -2px -2px 4px rgba(0, 0, 0, 0.5);

120: Which of the following are valid values for CSS3 text-overflow property?

- a) **clip, crop**
- b) **clip, ellipsis**

- c) clip, coupler
- d) clip, clasp

```
.text {
```

```
text-overflow: ellipsis;
```

```
}
```

121: Which is of following is invalid value for CSS3 word-break property?

- a) break-all
- b) break-word
- c) keep-all
- d) keep-word

```
.text {
```

```
word-break: break-all;
```

```
}
```

122: The transition-delay property specifies a delay in _____ for the transition effect.

- 1. milliseconds
- 2. microseconds
- 3. Minutes
- 4. Seconds

```
div { transition-delay: 2s; /* 2 seconds delay */ }
```

123: The default value for animation-duration is _____.

- 1. 1 s
- 2. 10 ms
- 3. 20 ms
- 4. 0 s

```
div { animation-duration: 0s; /* No animation by default */ }
```

124: To use CSS3 animation, you must first specify _____ for the animation.

- a) keyframes

- b) duration
- c) x, y and z axis
- d) x and y axis only

@keyframes example {

0% { background-color: red; }

100% { background-color: blue; } }

125: Which of the following is correct syntax to include meta tag related to viewport in HTML?

- a) `<meta viewport="true" content=" !doctype html">`
- b) `<meta name="viewport" content="width=device-width, initial-scale=1.0">`
- c) `<meta name=" width=device-width, initial-scale=1.0" content="viewport ">`
- d) `<meta viewport="true" content="width=device-width, initial-scale=1.0">`

126: We often divide our web page into _____ columns while making it responsive.

- a) 13
- b) 12
- c) 11
- d) 10

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