

Javascript & jquery Final Test(45p)

1. Which of the following is a server-side Java Script object?
 - A. Function
 - ☒ B. File
 - C. FileUpload
 - D. Date
2. To insert a JavaScript into an HTML page, which tag is used?
 - A. < script='java'>
 - B. < javascript>
 - ☒ C. < script>
 - D. < js>
3. Which of the below is used in Java script to insert special characters?
 - A. &
 - ☒ B. \
 - C. -
 - D. %
4. Which is the correct way to write a JavaScript array?
 - A. var txt = new Array(1:"arr",2:"kim",3:"jim")
 - B. var txt = new Array:1=(" arr ")2=("kim")3=("jim")
 - ☒ C. var txt = new Array("arr ", "kim", "jim")
 - D. var txt = new Array=" arr ", "kim", "jim"
5. Which attribute needs to be changed to make elements invisible?
 - ☒ A. visibilty
 - B. visible
 - C. invisibility
 - D. invisible
6. How to append a value to an array of Java Script?
 - ☒ A. arr[arr.length] = value
 - B. arr[arr.length+1] = new Arrays()
 - C. arr[arr.length-1] = value
 - D. arr[arr.length*1] = value
7. _____ is use for alternately expand and collapse a page element

- A. .hover()
- ☒ B. stopPropagation()
- ☒ C. toggle()
- D. .trigger()

8. jQuery _____ is used to set/return arbitrary data to/from an element.

- A. .data()
- ☒ B. .item()
- C. .all
- D. All of these

9. The _____ method acts on JQuery objects and translate the match DOM element into query string that can be pass along with AJAX request.

- ☒ A. .serialize()
- B. .serializeAll()
- C. .synchronized()
- D. none of these

10. Which of the following method is used to hide the selected elements?

- A. visible(false)
- B. hidden()
- C. display(none)
- ☒ D. hide()

11. How many ways are there to change the width of the element in jquery.

- ☒ A. Two
- B. Three
- C. Four
- D. None of these

12. The _____ Method acts as explicit iterator.

- A. .hover()
- B. .all()
- C. toggle()
- ☒ D. each()

13. For coping the element _____ method is used.

- ☒ A. copy()
- B. .clone()
- C. .coping()

D. None of these

14. Which of the following is the correct syntax to print a page using JavaScript?

- ☒ A. window.print();
- ☐ B. browser.print();
- ☐ C. navigator.print();
- ☐ D. document.print();

15. Which of the following type of variable is visible only within a function where it is defined?

- ☐ A - global variable
- ☒ B - local variable
- ☐ C - Both of the above.
- ☐ D - None of the above.

16. Which of the following function of Number object formats a number with a specific number of digits to the right of the decimal?

- ☐ A - toExponential()
- ☒ B - toFixed()
- ☐ C - toPrecision()
- ☐ D - toLocaleString()

17. Which of the following function of Number object returns the number's value?

- ☐ A - toString()
- ☒ B - valueOf()
- ☐ C - toLocaleString()
- ☐ D - toPrecision()

18. Which of the following function of String object extracts a section of a string and returns a new string?

- ☒ A - slice() ■
- ☐ B - split()
- ☐ C - replace()
- ☐ D - search()

20. Which of the following function of Array object creates a new array with all of the elements of this array for which the provided filtering function returns true?

- ☐ A - concat()

B - every()

☒ C - filter()

D - some()

21. Which of the following function of Array object adds one or more elements to the front of an array and returns the new length of the array?

☒ A - unshift()

B - sort()

C - splice()

D - toString()

22. JavaScript is ECMAScript

☒ A. True

B. False

23. Which of the following statements will throw an error?

Please select 2 correct answers

A. `var fun = function bar() { }`

☒ B. `var fun = function bar { }`

C. `function fun() { }`

☒ D. `function() { }`

24. What is the output of the following code in the console?

```
var x = 0;
```

```
function fun(){
```

```
  ++x;
```

```
  this.x = x;
```

```
  return x;
```

```
}
```

```
var bar = new new fun;
```

```
console.log(bar.x);
```

A. ReferenceError

B. undefined

☒ C. 1

D. TypeError

25. Which is the correct JavaScript syntax to change the HTML content given below?

`<p id="test">Hello World!</p>`

- ☒ A. `document.getElementById("test").innerHTML = "Hello DataFlair!";`
- ☐ B. `document.getElementsById("test").innerHTML = "Hello DataFlair!";`
- ☐ C. `document.getElementById(test).innerHTML = "Hello DataFlair!";`
- ☐ D. `document.getElementByTagName("p")[0].innerHTML = "Hello DataFlair!";`

26. Predict the result:

```
var bar = 1,  
fun = {};  
fun: {  
  bar:2;  
  x: ++bar;  
};  
fun.x + fun.bar + bar;
```

- ☐ A. undefined
- ☐ B. 4
- ☐ C. 5
- ☒ D. NaN

27. Which of the following statements will show a message as well as ask for user input in a popup?

- ☐ A. `alert()`
- ☒ B. `prompt()`
- ☐ C. `confirm()`
- ☐ D. `message()`

28. You are a web designer in your company and need to create a JavaScript project for form validation. What are the advantages that JavaScript provides for forms?

- ☐ A. Bandwidth conservation
- ☐ B. Form validation
- ☐ C. Increased user satisfaction
- ☒ D. All of the above

29. What is the syntax of a "for" statement in JavaScript?

- ☐ A. `for(increment; condition; initialization)`
- ☐ B. `for(initialization, condition, increment)`

C. for(condition; initialization; increment)

☒ D. for(initialization; condition; increment)

30. Consider the following arrays. What gets logged in various sorting conditions?

```
const arr1 = ['a', 'b', 'c'];
```

```
const arr2 = ['b', 'c', 'a'];
```

```
console.log(
  arr1.sort() === arr1,
  arr2.sort() === arr2,
  arr1.sort() === arr2.sort()
);
```

A. true true true

☒ B. true true false

C. false false false

D. true false true

31. Consider the following object representing a user, Joe, and his dog, Buttercup. We use Object.freeze to preserve our object and then attempt to mutate Buttercup's name. What gets logged?

```
const user = {
  name: 'Joe',
  age: 25,
  pet: {
    type: 'dog',
    name: 'Buttercup'
  }
};
```

```
Object.freeze(user);
```

```
user.pet.name = 'Daffodil';
```

```
console.log(user.pet.name);
```

☒ A. Daffodil

B. Buttercup

C. An error is thrown

32. In this question, we have a timer function that returns a Promise that resolves after a random amount of time. We use Promise.all to resolve an array of timers. What gets logged?

```
const timer = a => {
  return new Promise(res => {
    setTimeout(() => {
      res(a);
    }, Math.random() * 100)
  });
};
```

```
const all = Promise.all([
  timer('first'),
  timer('second')
]).then(data => console.log(data));
```

- A. ["first", "second"]
- ☒ B. It is random

33. Math time! What gets logged?

```
const arr = [
  x => x * 1,
  x => x * 2,
  x => x * 3,
  x => x * 4
];
```

Handwritten red notes:
1
12
12 + 12 = 24
12 + 12 + 12 = 36

```
console.log(arr.reduce((agg, el) => agg + el(agg), 1));
```

- A. 1
- ☒ B. 60
- C. 100
- D. 120

34. Let's display some notifications to our user! What gets logged in the following snippet?

```
const notifications = 1;
```

```
console.log(
  `You have ${notifications} notification${notifications !==
    1 && 's'}`
);
```

- ☒ A. You have 1 notification
- B. You have 1 notifications
- C. Something else

35. Consider the following array with a single object. What happens when we spread that array and change the firstName property on the 0-index object?

```
const arr1 = [{ firstName: 'James' }];
```

```
const arr2 = [...arr1];
```

```
arr2[0].firstName = 'Jonah';
```

```
console.log(arr1);
```

Select one:

- A. [{ firstName: "James" }]
- ☒ B. [{ firstName: "Jonah" }]
- C. Something else

36. What gets logged in the following scenario?

```
const map = ['a', 'b', 'c'].map.bind([1, 2, 3]);  
map(el => console.log(el));
```

Select one:

- ☒ A. 1 2 3
- ☐ B. a b c
- ☐ C. An error is thrown
- ☐ D. Something else

37. In the following problem, we use the Set object and spread syntax to create a new array. What gets logged (to consider: Are items forced to be unique? Are they sorted?)

```
const arr = [...new Set([3, 1, 2, 3, 4])];  
console.log(arr.length, arr[2]);
```

Select one:

- ☐ A. 5 2
- ☐ B. 5 3
- ☒ C. 4 2
- ☐ D. 4 3

38. Consider the following superheroMaker function. What gets logged when we pass the following two inputs?

```
const superheroMaker = a => {  
  return a instanceof Function ? a() : a;  
};
```

```
console.log(superheroMaker(() => 'Batman'));  
console.log(superheroMaker('Superman'));
```

Select one:

- ☐ A. "Batman"
- ☐ B. "Superman"
- ☒ C. "Batman" "Superman"
- ☐ D. Nothing gets logged

39. Consider the following recursive function. If we pass the string "Hello World" to it, what gets logged?

```
const myFunc = str => {  
  if (str.length > 1) {  
    return myFunc(str.slice(1));  
  }  
}
```



```
    return str;  
};
```

```
console.log(myFunc('Hello world'));
```

Select one:

- A. Hello World
- B. ello World
- C. H
- ☒ D. d

40. What gets logged when we test the following equality scenarios?

```
const a = c => c;
```

```
const b = c => c;
```

```
console.log(a == b);
```

```
console.log(a(7) === b(7));
```

Select one:

- A. true true
- B. true false
- ☒ C. false true
- D. false false