**True/False:**

1. \_\_T\_\_\_ All global variables in any JavaScript file are visible to all other JavaScript files of the same webpage.
2. \_\_\_F\_\_ Each JavaScript file has its own global namespace, separate from other files.
3. \_\_F\_\_\_ All declarations of free variables are hoisted into the global objects.
4. \_\_T\_\_\_ Using the DOM, JavaScript code can determine which Browser is being used.
5. \_\_F\_\_\_ *Unobtrusive* JavaScript means all JavaScript code for a website is put in the same file.
6. \_\_T\_\_\_ JavaScript code is executed when the Browser reads the *script* tag.
7. \_\_\_F\_\_ An anonymous function can never be called because it has no name.
8. \_\_T\_\_\_ The JavaScript instruction **x = $ (“p”)** stores a jQuery object in variable **x**.
9. \_\_T\_\_\_ If **y** is a DOM object, then **y.tagName** contains the HTML tag name.
10. \_\_F\_\_\_ HTML form data always goes directly to the server, it cannot be accessed by JavaScript running on the Browser.
11. \_\_F\_\_\_ An **XMLHttpRequest** to a Web Server must always return data in XML format.
12. \_\_\_T\_\_ When using a jQuery **$. ajax ()** call, webpage form data can be sent to the server.
13. \_\_T\_ When using jQuery **$. ajax ()**, both Get, and Post requests are allowed.
14. \_\_F\_\_\_ By using jQuery **$. ajax ()**, the JavaScript code running in the Web Browser can access SQL Databases stored on the client computer.
15. \_\_F\_\_\_ Most Web Browsers have jQuery built into the Browser.
16. \_\_\_T\_\_ When the JavaScript **“new”** operator creates an object, the constructor function defines the prototype of the object.
17. \_\_\_T\_\_ A JavaScript object created with **object.create()** can be extended with new fields without changing its prototype object.
18. \_T\_\_ In JavaScript, an *event handler* is always a function.
19. \_\_\_F\_\_ The DOM document object contains the window object.
20. \_\_T\_\_ JavaScript variables defined with *let* have block scope

Multiples choice Questions:

1. jQuery is a \_\_\_\_\_ side library.
2. Client
3. Server
4. CDN
5. web
6. jQuery is a \_\_\_\_\_ library.
   1. Java
   2. Javascript
   3. Script
   4. VBScript
7. jQuery library add which global function?
   1. Window
   2. jQuery
   3. document
   4. ready
8. Which of the following is shorthand for jQuery function?
   1. &
   2. Jq
   3. $
   4. Non of the above
9. jQuery library version 1.x is for \_\_\_\_\_ browser.
   1. IE 9+
   2. All modern browsers
   3. IE 6.0 to 8.0
   4. All older browser
10. Which of the following statement determines document is loaded?
    1. $(document).ready(function(){});
11. \_\_\_\_\_ selects DOM element by ID.
    1. (‘#id’)
12. (“div[class \*=’myCls’]”) selects which element?
    1. All div elements whose class attribute value contains myCls.
    2. All div elemtns whose class attribute value is equal to myCls.
    3. All div elements whose class attribute value starts with myCls.
    4. All div elements whose class attribute value ends with myCls.
13. $(this) selects. \_\_\_\_\_\_\_.
    1. Current html element originating the event
14. Which of the following jQuery method add/remove CSS classes from the selected elements?
    1. addClass()
    2. removeClass()
    3. toggleClass()
    4. css()
15. Which of the following function automatically attaches new DOM elements to an event handler?
    1. Live
    2. Delegate
    3. All
    4. On
16. Which jQuery method is used to deal with name conflicts?
    1. Conflict()
    2. noConflict()
    3. nameConflict()
    4. non of the above
17. $(“div p.myCls”) selector selects \_\_\_\_\_.
    1. All the div and p elements with class = myCls.
    2. All the p elements with class = myCls inside div elements
    3. All div elements which is the parent of p elements with class=myCls
    4. All div and p elements with class=myCls.
18. Which of the following method is used to request data from server.
    1. $.get()
    2. $.post()
    3. $.load()
    4. All of above
19. Which of the following method is used to hide the elemnts?
    1. Hide()
20. Which method returns all sibling elements of the selected element.
    1. Next()
    2. Siblings()
    3. Prev()
    4. prevUntil()
21. $(‘div p’).first() return \_\_\_\_\_.
    1. Return first <p> elements inside first <div> elements.
    2. Return first <p> elements from all <div> elements
    3. Return first <div> elements which has <p> element
    4. Return all <div> and <p> elements appears first in the html.
22. Which method allows you to filter elements based on specified criteria.
    1. Search()
    2. Find()
    3. Filter()
    4. Get()
23. Which of the following statement is True?
    1. jQuery library handles corss-browser issues automatically.
    2. jQuery library handles provides methods to handle cross-browser issues.
    3. jQuery does not handle cross browser issues
    4. jQuery is supported only n modern browser.
24. jQuery guarentees to pass \_\_\_\_\_\_ in all event handler.
    1. Context object
    2. Event object
    3. This
    4. Exception
25. $(this) in jQuery is used when -
    1. HTML element references the entire document
    2. HTML element references its own action
    3. HTML element references the action of its parent element
    4. All of the above
26. Which jQuery method is used to set one or more style properties to the selected element?
    1. The html() method
    2. The style() method
    3. The css() method
    4. All of the above
27. Which of the following jQuery method is used to attach a handler to an event?
    1. Unbind()
    2. Attach()
    3. Bind()
    4. None
28. The jQuery method used to perform an asynchronous HTTP request –
    1. jQuery ajaxSetup() method
    2. jQuery ajaxSync() method
    3. jQuery ajax() method
    4. none
29. Which of the following jQuery method is used to stop jQuery for few milliseconds?
    1. stop() method
    2. delay
    3. slowdown
    4. pause
30. What does the syntax $("p.para") will select?
    1. The first paragraph element with class = "para"
    2. The first paragraph element with id = "para"
    3. The first paragraph element with name = "para"
    4. All paragraph elements with class = "para"
31. Which of the jQuery function prevents the code from running before the loading of the document finishes?
    1. $(document).load()
    2. $(document).unload()
    3. $(document).ready()
    4. $(document).trim()
32. The jQuery used to find all next sibling elements after the current element is –
    1. find() method
    2. nextAll() method
    3. siblings() method
    4. None of the above
33. The correct syntax for selecting the first paragraph element with id p1 is -
    1. $("p.p1:first")
    2. $("p#p1:first")
    3. $("p1#p:first")
    4. None of the above
34. Which of the following jQuery method is used to check whether or not the selected elements have the specified class name?
    1. hasClass() method
    2. addClass() method
    3. find() method
    4. toggleClass() method
35. Which of the following jQuery method is used to set the value of an element?
    1. val() method
    2. setValue() method
    3. content() method
    4. None of the above
36. The jQuery method used to set the width property of an element is -
    1. setWidth( val ) method
    2. width( val ) method
    3. setCSSWidth( val ) method
    4. None of the above
37. The jQuery method used to get all ancestors of the matched set of elements is -
    1. parents() method
    2. parent() method
    3. offsetParent() method
    4. None of the above
38. The jQuery method used to remove the set of matched elements is -
    1. delete() method
    2. empty() method
    3. remove() method
    4. None of the above
39. The jQuery method used for parsing the JSON text is -
    1. parseJSON() method
    2. parseHTML() method
    3. noConflict() method
    4. each() method
40. What does the syntax $("div#myDiv .para") will select?
    1. It will select all elements with class = "para" within the div element with id = "myDiv"
    2. It will select all elements with id = "myDiv" within the div element with class = "para"
    3. All div elements with class = "para" or with id = "myDiv"
    4. None of the above
41. Which of the following jQuery method is used to reduce the set of matched elements to a single element?
    1. isEqual() method
    2. val() method
    3. eq() method
    4. delegate() method
42. The toggle() method in jQuery is used to -
    1. toggle between the hide() and show() methods
    2. toggle between the fadeIn() and fadeOut() methods
    3. toggle between the slideUp() and slideDown() methods
    4. None of the above
43. Which of the following method is used to toggle between the fadeIn() method and fadeOut() method?
    1. toggle() method
    2. fadeToggle() method
    3. slideToggle() method
    4. animate() method
44. The :even and :odd filters in jQuery are used to -
    1. determine if the number is odd or even
    2. determine if the index position of an element is odd or even
    3. both (a) & (b)
    4. None of the above
45. If the names of variables are the same, then which of the following type of variable takes precedence?
    1. local variable
    2. global variable
    3. both (a) & (b)
    4. None of the above
46. Which of the following is the correct code in jQuery to make all div elements 150px high?
    1. $("div").height(150);
    2. $("div").height = "150" ;
    3. $("div").height = 150 ;
    4. None of the above
47. Which of the following is the basic requirement to start with jQuery?
    1. To use jQuery, first, we have to buy the jQuery library from its official website.
    2. To use jQuery, we don't require anything as it is already built in the browser we are using.
    3. To use jQuery, we have to refer to its hosted library, or we can download the latest jQuery version from its official website.
    4. All of the above
48. The jQuery method used to find all previous sibling elements of the current element is -
    1. nextAll() method
    2. prevAll() method
    3. siblings() method
    4. None of the above
49. The jQuery method used to return the direct parent element of the selected element is -
    1. parents() method
    2. parent() method
    3. offsetParent() method
    4. None of the above
50. The jQuery method used to load data using HTTP get is -
    1. get(URL, data, callback, dataType) method
    2. post(URL, data, callback, dataType) method
    3. ajax() method
    4. ajaxSend() method
51. Can we use multiple document.ready() function on the same page?
    1. Yes
    2. No
    3. Can't say
    4. Not possible
52. The code $("p").css("background-color","yellow") is equivalent to -
    1. jQuery("p").css("background-color","yellow")
    2. document("p").css("background-color","yellow")
    3. jq("p").css("background-color","yellow")
    4. None of the above
53. Which of the following jQuery method is used to add/remove one or more classes from the selected elements?
    1. toggleClass() method
    2. fadeToggle() method
    3. toggle() method
    4. slideToggle() method
54. What does the syntax $("p") will select?
    1. All paragraph elements
    2. Only first paragraph element
    3. Only last paragraph element
    4. None of the above
55. What does the syntax $("p span") will select?
    1. All span elements inside the paragraph element
    2. Only first span element inside the paragraph element
    3. Only last span element inside the paragraph element
    4. None of the above
56. The selector $(":disabled") will select -
    1. The elements with the text **":disabled"**
    2. The elements that do not include the text **":disabled"**
    3. The hidden elements
    4. All disabled input elements
57. Which of the following selector in jQuery is used to select the elements with lesser index value than the value of its index parameter?
    1. jQuery :lt() selector
    2. jQuery :gt() selector
    3. jQuery :lang() selector
    4. jQuery :nth-child selector
58. Which of the following method in jQuery is used to make copies of the set of matched elements?
    1. jQuery detach() method
    2. jQuery delegate() method
    3. jQuery clone() method
    4. jQuery serialize() method
59. The jQuery method which is used to remove the tabs, space and the line breaks from the beginning and end of the specified string is -
    1. jQuery empty() method
    2. jQuery trim() method
    3. jQuery remove() method
    4. jQuery serialize() method
60. Which of the following jQuery method returns the direct children of the selected element?
    1. jQuery ancestors() method
    2. jQuery next() method
    3. jQuery children() method
    4. None of the above
61. Which of the following jQuery method returns all siblings of the selected element?
    1. Query ancestors() method
    2. jQuery siblings() method
    3. jQuery parents() method
    4. None of the above
62. The jQuery selector used to select the elements containing the specified string is -
    1. jQuery :contains selector
    2. jQuery :lang() selector
    3. jQuery :nth-child selector
    4. None of the above
63. The jQuery selector used to select the elements with the specified language code is -
    1. jQuery :contains selector
    2. jQuery :lang() selector
    3. jQuery :nth-child selector
    4. None of the above
64. Which of the following jQuery method is used to replace all selected elements with new HTML elements?
    1. jQuery replaceWith() method
    2. jQuery replaceAll() method
    3. jQuery load() method
    4. jQuery delegate() method
65. The jQuery method used to trigger a specified event handler for the selected element is -
    1. jQuery trigger() method
    2. jQuery toggle() method
    3. jQuery eq() method
    4. jQuery next() method
66. Which of the following method is used to remove the specified attribute from the selected element?
    1. jQuery remove() method
    2. jQuery empty() method
    3. jQuery removeAttr() method
    4. jQuery error() method
67. Which of the following jQuery method is used to merge the content of two or more objects into the first object?
    1. jQuery extend() method
    2. jQuery eq() method
    3. jQuery data() method
    4. jQuery param() method

**NODEJS**

1. Which of the following statement is correct?
   1. js is Server Side Language.
   2. js is the Client Side Language.
   3. js is both Server Side and Client Side Language.
   4. None of the above.
2. Which of the following command is used to install the Node.js express module?
   1. $ npm install express
   2. $ node install express
   3. $ install express
   4. None of the above
3. What is Callback?
   1. The callback is a technique in which a method calls back the caller method.
   2. The callback is an asynchronous equivalent for a function.
   3. Both of the above.
   4. None of the above.
4. Which of the following extension is used to save the Node.js files?
   1. .js
   2. .node
   3. .java
   4. .txt
5. The Node.js modules can be exposed using:
   1. expose
   2. module
   3. exports
   4. All of the above
6. Which of the following module is not a built-in node module?
   1. zlib
   2. https
   3. dgram
   4. fsread
7. Which of the following method of fs module is used to get file information?
   1. fs.open(path, flags[, mode], callback)
   2. fs.stat(path, callback)
   3. fs.readFile(path, flags[, mode], callback)
   4. None of the above.
8. What does the fs module stand for?
   1. File Service
   2. File System
   3. File Store
   4. File Sharing
9. Which of the following method of fs module is used to truncate a file?
   1. fs.delete(fd, len, callback)
   2. fs.remove(fd, len, callback)
   3. fs.ftruncate(fd, len, callback)
   4. None of the above.
10. Which of the following template engines can be used with Node.js?
    1. Jade
    2. Vash
    3. Handlebars
    4. All of the above
11. Which of the following statement defines Express?
    1. Express is an application framework that provides a robust set of features to develop desktop-based applications.
    2. Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications.
    3. Both of the above.
    4. None of the above.
12. Which of the following is not a benefit of using modules in Express?
    1. It provides a means of dividing up tasks.
    2. It provides a means of reuse of program code.
    3. It provides a means of reducing the size of the program.
    4. It provides a means of testing individual parts of the program.
13. What is the default scope in the Node.js application?
    1. Global
    2. Local
    3. Global Function
    4. Local to object
14. Which of the following engine Node in core?
    1. Chrome V8
    2. Microsoft Chakra
    3. SpiderMonkey
    4. Node En
15. Which of the following statement is used to execute the code of the sample.js file?
    1. sample.js
    2. node sample.js
    3. nodejs sample.js
    4. None of the above.
16. Which of the following is not a valid language for Node.js?
    1. JavaScript
    2. Java
    3. C
    4. C++
17. How many Node object methods are available?
    1. 21
    2. 18
    3. 19
    4. 20
18. What is the main usage of Node.js terminal (REPL)?
    1. To specify the preview of the Node.js application.
    2. For testing Node.js/JavaScript expressions.
    3. For executing browser's JavaScript expressions.
    4. None of the above.
19. Which of the following types of applications can be built using Node.js?
    1. Web Application
    2. Chat Application
    3. RESTful Service
    4. All of the above
20. Which of the following is used to test if two nodes are equal?
    1. ==
    2. equal()
    3. isEqualNode()
    4. None of the above.
21. Which of the following areas, Node.js, is not advised to be used?
    1. Single Page Applications
    2. JSON APIs based Applications
    3. CPU intensive applications
    4. Data-Intensive Real-time Applications (DIRT)
22. Which of the following route parameter formats are valid?
    1. /books/!:from-:to
    2. /flights/:from-:to
    3. /users/:userId/books/:bookId
    4. None of the above.
23. Which of the following module is required to create a web server?
    1. net module
    2. http module
    3. net module
    4. url module
24. Which of the following is the correct syntax to initiate the Node.js File?
    1. filename.js
    2. javascript filename.js
    3. node filename.js
    4. node filename
25. Which of the following platforms does Node.js support?
    1. Windows
    2. Macintosh
    3. Unix/Linux
    4. All of the above.
26. Which of the following keyword is used to make properties and methods available outside the module file?
    1. import
    2. module
    3. exports
    4. require
27. Which of the following method can append specified content to a file?
    1. fs.appendFile()
    2. fs.open()
    3. fs.writeFile()
    4. None of the above.

Hide Answer Workspace

1. Is Node.js multithreaded?

No

1. Is the process a global object and can be accessed from anywhere?

True

1. Node.js uses an event-driven, non-blocking I/O model. Is it true?
   1. True
2. A stream fires finish event when all data has been flushed to the underlying system. Is it true?

True

1. **In which of the following areas, Node.js is perfect to use?**
   1. **A - I/O bound Applications**
   2. **B - Data Streaming Applications**
   3. **C - Data Intensive Realtime Applications (DIRT)**
   4. **D - All of the above.**
2. **By default, npm installs any dependency in the global mode.**
   1. **A - true**
   2. **B - false**
3. **Which of the following is the correct way to get a joint path?**
   1. **path.join('/test', 'test1', '2slashes/1slash', 'tab', '..')**
   2. **B - path.combine('/test', 'test1', '2slashes/1slash', 'tab', '..')**
   3. **C - buffer.join('/test', 'test1', '2slashes/1slash', 'tab', '..')**
   4. **D - None of the above.**
4. **Can we create child processes in Node applications.**

True