

**Q1. Which statement in JavaScript ensures whether a variable is declared?**

1. Strict
2. Declare
3. Use strict
4. No strict

**Answer:** c — Use strict

**Explanation:** "use strict" triggers strict mode which catches undeclared variables and other silent errors.

**Q2. Method used to fetch an element from the DOM tree by its unique identifier:**

1. getElementById
2. getElementByName
3. getElementsByName
4. natElamanthi/TanName (*likely typo*)

**Answer:** a — getElementById

**Explanation:** Selects an element based on its unique id attribute.

**Q3. Which function adds two numbers?**

1. `Fun = function(a, b) { return a + b };`
2. `Fun = function(var a, var b) { return a + b };`
3. `function fun(var a, var b) { return a + b };`
4. `Fun = function(var a, var b) { c = a + b };`

**Answer:** a — `Fun = function(a, b) { return a + b };`

**Explanation:** Correct syntax and logic for summing two values; `var` not allowed in parameter list.

**Q4. What is the type of value returned by `parseInt`?**

1. Integer
2. Int
3. Number
4. Float

**Answer:** c — Number

**Explanation:** JavaScript only has a `Number` type (which includes integers and floats).

**Q5. Which of these is used for printing messages in the console?**

1. print
2. printin
3. write
4. log

**Answer:** d — log

**Explanation:** Use `console.log()` to write messages to the developer console.

**Q6. How do I get the value of a form control in JavaScript?**

1. `val()`
2. `text()`
3. `value`
4. `innerValue`

**Answer:** c — `value`

**Explanation:** The `value` property of a DOM element retrieves its input value.

**Q7. `var x = 5, y = "A"; c = x + y;` What is the type of `c`?**

1. Number
2. String
3. Object
4. Boolean

**Answer:** b — String

**Explanation:** `Number + String = String` due to implicit type coercion.

**Q8. `prompt()` inputs plus `c = x + y;` → What is `c`?**

1. Number
2. String
3. Object
4. Boolean

**Answer:** b — String

**Explanation:** `prompt()` returns strings; `+` concatenates unless parsed with `Number()`.

**Q9. What control to use for selecting gender in a form?**

1. Radio
2. Checkbox
3. Select
4. Both a and c

**Answer:** d — Both a and c

**Explanation:** Radio buttons and dropdowns are appropriate for single-choice inputs.

**Q10. What is the use of regular expressions?**

1. Search a pattern
2. Delete a string
3. Remove a string
4. None of the above

**Answer:** a — Search a pattern

**Explanation:** Regex is used for matching patterns in strings.

**Q11. What does JSON stand for?**

1. JavaScript Object Nomenclature
2. JavaScript Object Notification
3. Java Virtual Object Notation
4. JavaScript Object Notation

**Answer:** d — JavaScript Object Notation

**Explanation:** A lightweight data format used for data interchange.

**Q12. Fetching type from:** `var pen = {color: "blue", type: "fountain"}`

1. `pen.color`
2. `pen["type"]`
3. `pen[1].type`
4. `pen[1]`

**Answer:** b — `pen["type"]`

**Explanation:** Bracket notation accesses property by string key.

**Q13. Which method changes the browser address bar?**

1. `location.href`
2. `location.assign`
3. `location.address`
4. `location.window.href`

**Answer:** a — `location.href`

**Explanation:** Assigning a value to `location.href` redirects the browser.

**Q14. Which object has `pixelWidth` attribute?**

1. `screen`
2. `window`
3. `location`
4. `navigator`

**Answer:** a — `screen`

**Explanation:** Properties like `screen.width` and `pixelDepth` are part of the `screen` object.

**Q15. Order of events when a key is typed:**

1. `keydown`, `keypress`, `keyup`
2. `keypress`, `keydown`, `keyup`
3. `keyup`, `keydown`, `keypress`

4. `keydown`, `keyup`, `keypress`

**Answer:** a — `keydown`, `keypress`, `keyup`

**Explanation:** This is the correct firing sequence of keyboard events.

**Q16. Method used for getting confirmation from user:**

1. `confirmation()`
2. `confirm()`
3. `accept()`
4. `agree()`

**Answer:** b — `confirm()`

**Explanation:** Displays a modal with OK/Cancel and returns a boolean.

**Q17. Method to remove and insert elements into array:**

1. `splice`
2. `slice`
3. `insert`
4. `add`

**Answer:** a — `splice`

**Explanation:** `splice()` can remove and/or insert elements.

**Q18. Method to remove an element from array:**

1. `push`
2. `pop`
3. `slice`
4. `sort`

**Answer:** b — `pop`

**Explanation:** `pop()` removes and returns the last element.

**Q19. Method to get last occurrence of character in string:**

1. `indexOf`
2. `lastOccuranceOf`
3. `lastIndexOf`
4. `occuranceOf`

**Answer:** c — `lastIndexOf`

**Explanation:** `lastIndexOf()` returns the position of the last match.

**Q20. Result of `new Date().getDay()` if today is Monday:**

1. `mon`
2. `Monday`

3. 1
4. 0

**Answer:** c — 1

**Explanation:** Days are indexed from 0 (Sunday) to 6 (Saturday).

**Q21. Object to get current browser window's width and height:**

1. currentTarget
2. window
3. location
4. navigator

**Answer:** b — window

**Explanation:** `window.innerWidth` and `window.innerHeight` give dimensions.

---

✓ Q22. Inside which HTML element do we put the JavaScript?

`<script>`

`<scripting>`

`<js>`

`<javascript>`

**Answer:** a — `<script>`

**Explanation:** JavaScript code must be enclosed in `<script>` tags inside HTML documents.

---

✓ Q23. A JavaScript program can traverse and manipulate document content through:

navigator Object

document Object

element Object

None of the mentioned

**Answer:** b — document Object

**Explanation:** The `document` object provides access to the DOM tree, allowing manipulation of HTML elements.

---

✓ Q24. The `setTimeout()` method is used to:

Make the event sleep

Register a function to be invoked after a certain time

Invoke an event after a certain time

Time for iteration

**Answer:** b — Register a function to be invoked after a certain time

**Explanation:** `setTimeout()` schedules a function to execute after a specified delay in milliseconds.

---

✓ Q25. What is the parameter of the `hide()` method in jQuery?

milliseconds

seconds

minutes

callback function

**Answer:** a — milliseconds

**Explanation:** jQuery's `.hide()` can take a number of milliseconds to animate the hiding of the element.

---

✓ Q26. Which of these effects is used to alternate between hide and show?

`hideToggle`

`showToggle`

`toggle`

`slideToggle`

**Answer:** c — `toggle`

**Explanation:** `toggle()` switches element visibility between `.hide()` and `.show()` states.

---

✓ Q27. Which of the following jQuery methods can be used to get the attribute value?

`attribute()`

`attr()`

`add()`

none of the above

**Answer:** b — `attr()`

**Explanation:** `attr("attributeName")` retrieves the value of a given HTML attribute.

---

✓ Q28. Which jQuery function prevents code from running before the document is finished loading?

`$(document).fun()`

`$(document).click()`

`$(document).animate()`

`$(document).ready()`

**Answer:** d — `$(document).ready()`

**Explanation:** Ensures that the DOM is fully loaded before executing any jQuery code.

---

✓ Q29. jQuery code to set background color of all `<div>` elements to red:

`$("#div").style("background-color", "red");`

`$("#div").manipulate("background-color", "red");`

`$("#div").css("background-color", "red");`

`$("#div").layout("background-color", "red");`

**Answer:** c — `$("#div").css("background-color", "red");`

**Explanation:** The `.css()` method is used to apply inline styles to selected elements.

---

✓ Q30. Which jQuery method switches between adding/removing one or more classes from elements?

switchClass()

addRemoveClass()

altClass()

toggleClass()

**Answer:** d — toggleClass()

**Explanation:** toggleClass() adds a class if it's not present, and removes it if it is.

---

✓ Q31. AngularJS is:

One-way data binding framework

Two-way data binding framework

Three-way data binding framework

Routing framework

**Answer:** b — Two-way data binding framework

**Explanation:** AngularJS keeps model and view synchronized automatically, without manual DOM updates.

---

✓ Q31. AngularJS is:

1. One-way data binding framework
2. Two-way data binding framework
3. Three-way data binding framework
4. Routing framework

**Answer:** b — Two-way data binding framework

**Explanation:** AngularJS synchronizes model and view automatically—when data changes, the UI updates and vice versa.

✓ Q32. AngularJS expressions are written inside:

1. [expr]
2. {[expr]}
3. {{expr}}
4. [{expr}]



**Answer:** c — `{{expr}}`

**Explanation:** Double curly braces indicate AngularJS expressions for data interpolation.

✓ Q33. Which object stores the values of a form in AngularJS?

1. `$window`
2. `$route`
3. `$scope`
4. `$main`

**Answer:** c — `$scope`

**Explanation:** `$scope` holds the application data and is bound to view and controller.

✓ Q34. Which directive is used to loop through a list in AngularJS?

1. `ng-loop`
2. `ng-repeat`
3. `ng-for`
4. `ng-while`

**Answer:** b — `ng-repeat`

**Explanation:** Iterates over collections and renders each item dynamically in the view.

✓ Q36. Which of the following are NOT core Node.js modules?

1. `fs`
2. `path`
3. `platform`
4. `url`

**Answer:** c — `platform`

**Explanation:** `fs`, `path`, and `url` are built-in modules. `platform` is not a Node.js core module.

✓ Q37. Which of the following methods creates an HTTP server in Node.js?

1. `createNode()`
2. `connect()`
3. `createConnection()`
4. None of the above

**Answer:** d — None of the above

**Explanation:** The correct method is `http.createServer()`, which isn't listed among the options.

✓ Q39. Which of the following can send a rendered view template in Express JS?

1. `app.render(view, [locals], callback)`

2. `res.render(view, [locals], callback)`
3. Both b and c
4. None of the above

**Answer:** b — `res.render(view, [locals], callback)`

**Explanation:** `res.render()` is used within route handlers to send back HTML rendered from templates.

✓ Q40. **How to get route parameters from a path like `/users/:userId/books/:bookId` in Express JS?**

1. `req.body.userId, req.body.bookId`
2. `req.body.users, req.body.books`
3. `req.params.userId, req.params.bookId`
4. `req.params.users, req.params.books`

**Answer:** c — `req.params.userId, req.params.bookId`

**Explanation:** Express stores route parameters in `req.params` keyed by the named placeholders.