

# JAVASCRIPT EXAM

1. What is JavaScript?
2. What are JavaScript Data Types?
3. What is the use of isNaN function?
4. What are global variables? How are these variables declared?
5. What is the '===' operator?
6. Difference between "==" and "==="?
7. What is an undefined value in JavaScript?
8. How can you create an object in JavaScript?
9. How can you create an Array in JavaScript?
10. What will be the output of the following code snippet

```
<script>
    var a = "SkillQode -Decode your skill";
    var result = a.substring(12, 20);
    document.write(result)
</script>
```

11. What is the output of the following code snippet?

```
console.log(NaN === NaN);
```

12. What will be the output of the following code snippet?

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

13. What will be the output of the following code snippet?

```
let a = [1, 2, 3, 4, 5];
console.log(a.slice(2, 4));
```

14. What will be the output of the following code snippet?

```
var a = "hello";
var sum = 0;
for(var i = 0; i < a.length; i++) {
    sum += (a.charCodeAt(i) - 'a'.charCodeAt(0));
}
console.log(sum);
```

15. What will be the output of the following code snippet?

```
const example = ({ a, b, c }) => {
    console.log(b*2, a*5, c*2);
};
example({ a:0, b:1, c:2 });
```

16. What will be the output of the following code snippet?

```
let s = "00000001111111";
let l = 0, r = s.length - 1, ans = -1;
while(l <= r) {
    var mid = Math.floor((l + r) / 2);
    if(s[mid] == '1') {
        ans = mid;
        r = mid - 1;
    }
    else
        l = mid + 1;
}
console.log(ans);
```

17. What will be the output of the following code snippet?

```
const obj1 = { Name: "Hello", Age: 16 };
const obj2 = { Name: "Hello", Age: 16 };
console.log(obj1 === obj2);
```

18. What will be the output of the following code snippet?

```
const obj1 = { first: 20, second: 30, first: 50 };
console.log(obj1);
```

19. What will be the output of the following code snippet?

```
let a = 1;
if(a != null)
    console.log(1);
else
    console.log(0);
```

20. What will be the output of the following code snippet?

```
function test(javascript) {
    return (javascript ? "yes" : "no");
}

bool ans = true;
console.log(test(ans));
```

21. Write a JavaScript function that returns a string that has letters in alphabetical order.

22. Write a JavaScript function that accepts a string as a parameter and finds the longest word within the string.