

1. The statement while (3==3) is an example of

- A. An infinite loop
- B. return always false
- C. A typographical error
- D. An illegal JavaScript statement

2. Within a loop, what does the break statement do?

- A. Escapes the loop entirely
- B. Starts the loop over
- C. continue the loop
- D. Crashes the browser

3. A 'for' loop in JavaScript looks like this....

- A. for(var i=0;i<5;i++){}
- B. for i=1 to 5 do
- C. FOR I:=5 DOWNT0 1 DO
- D. repeat...until(i=5)

4. The control statement on a do while loop is tested

- A. once at the start
- E. after each time through the loop
- B. once at the end
- C. before each time through the loop

5. Which type of JavaScript loop checks the condition at the end of the loop?

- A. while
- B. do...while
- C. if
- D. for

6. Under which of the following circumstances will the following loop definitely terminate?
do

```
{ s = prompt("Please enter a number", "");  
n = parseFloat(s);  
}
```

while (n < 40 || n < 50);

- A. A number smaller than 50 is entered.
- B. A number smaller than 40 is entered.
- C. A number bigger than 50 is entered.
- D. A number bigger than 40 is entered.

7. Consider the following line which has been extracted from a program:

```
for (count = 0; count < 31; count+=2)
```

How many times does this loop execute?

- A. 31
- B. 16
- C. 15
- D. 30

8. When the following loop terminates, what is the value of a?

```
a = 10;  
do  
{ a /= 2;
```

```
y = a * 10;  
}
```

```
while (a < 1);
```

- a. 1.25
- b. 0.625
- c. 1
- d. 5

9. How many times is the string Hello! Written on the screen?

```
for (x = 1; x < 10; x++)  
for (y = 1; y < 5; y++)  
document.write("Hello!");
```

- a. 50
- b. 36
- c. 40
- d. 45

10. What are the three important manipulations done in a for loop on a loop variable?

- a) Updation, Incrementation, Initialization
- b) Initialization, Testing, Updation
- c) Testing, Updation, Testing
- d) Initialization, Testing, Incrementation

11. What will be the output of the following Javascript code?

```
var a = 10;  
do {  
    a += 1;  
    console.log(a);  
} while (a < 5);
```

- a) 11121314
- b) 1112
- c) 12345
- d) 11

12. Which of these expressions is NOT a valid way to add 1 to a variable in JavaScript?

- a. x++
- b. x += 1
- c. x = x + 1
- d. x+

13. Let's say you want to repeat a loop 20 times. Which for loop would help you code that?

- a. for (var i = 1; i < 20; i++) { }
- b. for (var i = 0; i <= 20; i++) { }
- c. for (var i = 0; i < 20; i++) { }
- d. for (var i = 0; i > 20; i++) { }

14. How many times the following loop will print 'Hello World'?

```
<script>
var i = 5;
while( i < 4 ){
document.write('Hello World');
i++;
}
</script>
```

- a. 5 b. 3 c. 4 **d. 0**

15. What is the difference between a while loop and a do...while loop?

- A. The code inside a do...while loop will always be executed at least once, even if the condition is false.**
B. The code inside a while loop will always be executed at least once, even if the condition is false.
C. There is no difference between them.

16. Which is NOT a way to create a loop in javascript?

- A. for (...) { } B. do { } while(...)
C. while (...) { } **D. repeat (...) { }**

17. How does a "while" loop start?

- A. while i=(1 <> 10) B. while i=1 to 10
C. while (i<=10) D. while (i<=10;i++)

18. Find the output of below for loop in Javascript

```
<script>
for(var i=0;i<5;i++)
{
document.write(i++);
}
</script>
```

- (A) 01234 (B) 012345
(C) 135 **(D) 024**

19. Find output of below code

```
<script>
var firstNames = ["c", "c++", "java", "python", "perl"];
for (var i = 0; i < firstNames.length; i++) {
if(i%2===0)
continue;
document.write(i);
}
</script>
```

- (A) 012345 (B) 01234
(C) 135 **(D) 13**

20. Find the output of below code

```
<script>
var firstNames = []; //creating empty array
for (var i = 0; i <=firstNames.length; i++) {
document.write("Javascript");
}
</script>
```

- (A) Error (B) Nothing is printed
(C) Javascript (D) JavascriptJavascript