

2. Consider the following commands are executed in a sequence on a command line interface, the options contain potential outputs of the commands at certain given stage of the sequence. Please choose the incorrect option out of the rest.

```
username@machinename:~$ mkdir file1
username@machinename:~$ cd file1
username@machinename:~/file1$ touch file1
username@machinename:~/file1$ echo "file1" > file1
username@machinename:~/file1$ cd
username@machinename:~$ mv file1/file1 ./file11
username@machinename:~$ rm -r file1
username@machinename:~$ ls -l
```

(-/1 Points)

- ☒ rm command throws: cannot stat 'file1': No such file or directory
- ☐ touch creates a blank file called file1
- ☐ ls -l returns permissions list of file11
- ☐ echo prints "file1" into file1

3. Which of the following is INCORRET option for below SHELL Script?

```
1. #!/bash/bin
2. if test $USER="root"
3. then {
4. echo You are not root }
5. else
6. {
7. echo "You are root" }
8. fi
```

(-/1 Points)

- ☐ This script tests if the \$USER is a root or not
- ☒ #!/bin/bash is the required correction in line 1 to run the script
- ☐ } should be move to new line from Line 4 and 7 to run the script
- ☐ None of the above

4. What is the output of below JavaScript?

```
// JS Script starts
function exam(question, answer)
{
var lsanswered = "Yes";
this.getResponseStatus = function(){
return lsanswered;
};
exam.status="Postponed";
}
var ex = new exam("Q1","3");
document.write(ex.getResponseStatus()+ " "+ex.status);
// JS Script ends
```

(-/1 Points)

- ☐ Yes Postponed
- ☐ undefined Postponed
- ☐ NaN Postponed
- ☒ None of the above

5. Which among the following is the smallest heading tag in HTML?

(-/1 Points)

- ☐ <h1>
- ☐ <h8>
- ☒ <h6>
- ☐ <h12>

6. Which of the following short-cut key is used to write a script to disk in SHELL?

(-/1 Points)

- ☐ Ctrl+x
- ☐ Ctrl+r

☒ Ctrl+d

☐ Ctrl+w

7. What is the output of below JavaScript on the browser window?

```
// JS Script starts here
let x = true;
let y = false;
let res1 = x || (0 / 0);
let res2 = y || (1 / 0);
document.writeln(res2);
document.writeln(res1);
// JS Script ends here
```

(-1 Points)

☐ NaN true

☒ Infinity true

☐ NaN Infinity

☐ false Infinity

8. Which of the following are FALSE for CSS?

(-1 Points)

☐ It is called as Cascading Style Sheets

☐ Internal, External and Inline are possible CSS declarative modes

☐ Background and Borders of HTML page can be managed

☒ /* comment */ - is the comment declaration in CSS

9. Which of the following option is INCORRECT for HTML?

(-1 Points)

☐ A simple text format to create web pages

☐ Allow to embed other scripting languages to manipulate design layout, text and graphics

- ☐ HTML is platform independent
- ☒ HTML is compiled by browser

10. What is the value of **a** in the below script?

```
// JS Script starts here
class Point {
  constructor(x, y) {
    this.x = x;
    this.y = y;
  }
  static distance(a, b) {
    const dx = a.x - b.x;
    const dy = a.y - b.y;

    return Math.hypot(dx, dy);
  }
}
const p1 = new Point(5, 5);
const p2 = new Point(10, 10);
var a = distance(p1, p2);
// JS Script ends here
```

(-1 Points)

- ☐ 7.0710678118654755
- ☐ 7.0710867891254799
- ☐ 7
- ☒ None of the above

11. What is the output of the below JavaScript in browser?

```
// JS Script starts here
function test() {
  let a = b = 21
  a--;
  b++;
  c = a + b;
  return c;
}
test();
var x = typeof a;
var y = typeof b;
var z = typeof c;
document.writeln(c);
document.writeln(x);
document.writeln(y);
document.writeln(z);
// JS Script ends here
(-/1 Points)
```

- ☐ 42 number undefined undefined
- ☐ 42 undefined undefined undefined
- ☐ 42 number number number
- ☒ 42 undefined number number

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