

OOCL Java Boot camp weekly Test 2.

Time: 1.5 hour

Full marks: 100

Name: _____ Score: _____

Part 1. Multiple Choice Questions.

(Please choose the best answer from the given options 25*3== 75)

1) Is JavaScript a case-sensitive language?

- a) **True** b) false c) not determined d) not always.

2) Which of the following function of Array object removes the last element from an array and returns that element?

- a) **pop ()** b) push () c) join() d) map()

3) Which of the following function of Array object extracts a section of an array and returns a new array?

- a) reverse () b) shift() c) **slice()** d) some()

4) What does HTML stand for?

- a) Hi To My Lawyer b) **Hyper Text Markup Language**
c) Hyper Teach Markup Language d) How to Make Lasagna

5) In HTML, apart from tag, what other tag makes text bold?

- a) <fat> b) **** c) <black> d) <emp>

6) The following HTML file is valid:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
<html>
<head> <title> test page </title> </head>
<body>
<p>
<A HREF = "http://www.google.com">
</A>
</p>
</body>
</html>
```

a) True

b) False

7) Which of the following best describes JavaScript?

- a) A low-level programming language.
- b) A scripting language precompiled in the browser.
- c) A compiled scripting language.
- d) An object-oriented scripting language.**

8) What will be the output of the following code?

```
<script type="text/javascript">
var s = "9123456 or 80000?";
var pattern = /d{4}/;
var output = s.match(pattern);
document.write(output);
</script>
```

a) 9123

b) 91234

c) 80000

d) None of the above

9) What will be the output of the following code?

```
<script language="javascript">
function x()
{
document.write(2+5+"8");
}
</script>
```

- a) 258 b) Error c) 7 **d) 78**

10) Which best explains getSelection()?

- a) Returns the VALUE of a selected OPTION.
b) Returns document.URL of the window in focus.
c) Returns the value of cursor-selected text
d) Returns the VALUE of a checked radio input.

11) The syntax of close method for document object is _____

- a) Close (doc) b) Close (object) c) Close (val) **d) Close ()**

12) How to create a Date object in JavaScript?

- a) dateObjectName = new Date([parameters])**
b) dateObjectName.new Date([parameters])
c) dateObjectName := new Date([parameters])
d) dateObjectName Date([parameters])

13) Which of the following is the structure of an if statement in Javascript?

- a) if (conditional expression is true) thenexecute this codeend if**
b) if (conditional expression is true)execute this codeend if
c) if (conditional expression is true) {then execute this code>->}
d) if (conditional expression is true) then {execute this code}

14) JavaScript is interpreted by _____

- a) **Client** b) Server c) Object d) None of the above

15) Which of the following is not considered a JavaScript operator?

- a) new b) **this** c) delete d) typeof

16) Which is the correct way to write a JavaScript array?

- a) var txt = new Array(1:"tim",2:"kim",3:"jim")
b) var txt = new Array:1=("tim")2=("kim")3=("jim")
c) **var txt = new Array("tim","kim","jim")**
d) var txt = new Array="tim","kim","jim"

17) Which of the following way can be used to indicate the LANGUAGE attribute?

- a) <LANGUAGE="JavaScriptVersion">
b) <SCRIPT LANGUAGE="JavaScriptVersion">
c) **<SCRIPT LANGUAGE="JavaScriptVersion"> JavaScript statements...</SCRIPT>**
d) <SCRIPT LANGUAGE="JavaScriptVersion"!> JavaScript statements...</SCRIPT>

18) When a user views a page containing a JavaScript program, which machine actually executes the script?

- a) **The User's machine running a Web browser**
b) The Web server
c) A central machine deep within Netscape's corporate offices
d) None of the above

19) Why are generics in Java used?

- a) Generics make code faster.
- b) Generics make code more optimized and readable.
- c) Generics add stability to your code by making more of your bugs detectable at compile time.**
- d) Generics add stability to your code by making more of your bugs detectable at run time.

20) Which of these types cannot be used to initiate a generic type?

- a) Integer class
- b) Float class
- c) Primitive Types**
- d) Collections

21) What is the name of the method used to start a thread execution?

- a) init();
- b) start();**
- c) run();
- d) resume();

22) Which two are valid constructors for Thread?

- 1. Thread (Runnable r, String name)
- 2. Thread ()
- 3. Thread (int priority)**
- 4. Thread (Runnable r, ThreadGroup g)
- 5. Thread (Runnable r, int priority)

- a) 1 and 3
- b) 2 and 4
- c) 1 and 2
- d) 2 and 5

23) Which will contain the body of the thread?

- a) run();**
- b) start();
- c) stop();
- d) main();

24)

```
public class MyRunnable implements Runnable
{
    public void run()
    {
        // some code here
    }
}
```

From the code above which of these following will create and start this thread?

- a) new Runnable(MyRunnable).start();
- b) new Thread(MyRunnable).run();
- c) new Thread(new MyRunnable()).start();
- d) new MyRunnable().start();**

25) What is the output of the following block of code? 9 6 5 2 0 1 8 2 ...

```
import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class Matc {
    public static void main(String args[]) {
        Pattern p = Pattern.compile("\\d");
        Matcher mat1 = p.matcher("9652018244");

        while (mat1.find()) {
            System.out.println("\t\t" + mat1.group());
        }
        mat1.reset();
        System.out.println("After done resetting the Matcher, it should be like
this");

        while (mat1.find()) {
            System.out.println("\t\t" + mat1.group());
        }
    }
}
```

Part 2. Answering sort Questions.
(Please write answers to the following questions 5*5== 25)

Question 1: What is functional programming? Please explain in your own words.

Question 2: What is Maven and why is it used in JavaEE development?

Question 3: What is exception in Java? How do we handle different type of exception?

Question 4: Why is Generics used in Java? Please provide an example.

Question 5: What is J2SE and J2EE? Please elaborate.