

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) then execute this code end if**
b) if (conditional expression is true) execute this code end 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 sorth 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.