

Name of the Participant:

Date:

Duration: 25 mins

Questions : 15

1. What is the output?

```
import java.util.*;

public class Test {

    public static void main(String args[]) {

        Set s = new HashSet();

        System.out.print(s.add("A"));

        System.out.print(s.add("F"));

        System.out.print(s.add("A"));

        System.out.print(s.add("B"));

    }

}
```

a) true true true true

b) true true false false

c) true false true false

d) true true false true

2. The following code

```
public class Test {

    Test() throws Exception {

    }

    public static void main (String[] args) throws Exception {

        Test t = new Test();

    }

}

public class Child extends Test {

}
```

a) class Child will not compile.

b) both will not compile.

c) compiles and runs fine

d) class Test will not compile.

3. What is output?

```
int b = 3;  
  
if ( !(b > 3)) {  
    System.out.print("square");  
}  
  
    System.out.print("circle");  
}  
  
System.out.println("...");
```

- a) *Compile error*
- b) *square...*
- c) *circle...*
- d) *squarecircle...*

4. For the following code :

```
import java.util.ArrayList;  
  
import java.util.List;  
  
public class Test{  
  
    public static void main(String args[]) {  
  
        List<Integer> list = new ArrayList<Integer>();  
  
        list.add(0, 59);  
  
        int total = list.get(0);  
  
        System.out.println(total);  
  
    }  
}
```

- a) *Gives output : 0*
- b) *Will not compile*
- c) *Gives output : 59*
- d) *Runtime Exception*

5. The following code :

```
public class Test{  
  
    public static void main(String args[]) {  
  
        B b = new B();
```

```

    }
}
class A {
    A() {
        System.out.print("A");
    }
}
class B extends A{
    B() {
        System.out.print("B");
    }
}

```

- a) Gives output : AB
- b) Gives output : BA
- c) Gives output : B
- d) Compile Error

6. Which expression can be placed at XX?

```

int[] arr = {1,2,3,4,5};
int i=0;
for (XX) {
    System.out.print("int ");
}

```

- A. ; i < 5; i++
- B. int i=0; i < 5; i++
- C. ; i < 1;
- D. int j: arr

- a) A, D
- b) B
- c) B, D
- d) A, C, D

7. For the following program:

```
public class Test {  
  
    private void display(int count) {  
  
        switch(count) {  
  
            case 1:  
  
                System.out.print("1 ");  
  
            case 2:  
  
                System.out.print("2 ");  
  
            case 3:  
  
                System.out.print("3 ");  
  
            default:  
  
                System.out.println(count);  
  
        }  
    }  
}
```

```
public static void main(String[] args) {  
  
    Test t = new Test();  
  
    t.display(2);  
  
}
```

- a) 2 b) 2, 3, 2
c) Compile error d) 2 2

8. What is the output if Main is run?

```
public abstract class Vehicle {  
  
    private int tyres;  
  
    public void setTyres(int tyres) {  
  
        this.tyres = tyres;  
  
    }  
  
    public int getTyres() {  
  
        return tyres;  
  
    }  
}
```

```

    }
}

public class Car extends Vehicle {

    @Override

    public int getTyre() {

        return super.getTyres()+1;

    }

}

public class Main {

    public static void main(String args[]) {

        Car c = new Car();

        c.setTyres(5);

        System.out.println("Tyres = "+c.getTyres());

    }

}

```

- a) Tyres = 5
- b) Tyres = 6
- c) Compile error
- d) Runtime Exception

9. Which interface does java.util.HashMap implement?

- a) java.util.Map
- b) java.util.List
- c) java.util.Hashable
- d) java.util.Collection

10. What is the output?

```

import java.util.TreeSet;

public class Test {

    public static void main (String [] args) {

        TreeSet ss = new TreeSet();

        ss.add("n");
    }
}

```

```

        ss.add("c");

        ss.add("z");

        ss.add("d");

        ss.add("f");

        ss.add("a");

        ss.add("z");

        System.out.println(ss);

    }

}

```

a) [n, c, d, f, a, z]

b) [n, c, z, d, f, a, z]

c) [n, c, z, d, f, a]

d) [a, c, d, f, n, z]

11. Which of these CAN be used as identifiers in Java?

- A. false
- B. extension
- C. enum
- D. try
- E. throw
- F. transient
- G. case

a) B, F

b) B

c) C, E

d) B, C, F

12. What is the output?

```

public static void main(String[] args) {

    String[] vehicles = { "Car", "Truck", "Van", "Tractor" };

    System.out.print(vehicles.length + ", ");

    System.out.println(vehicles[3].length());
}

```

}

a) 4, 3

b) 3, 5

c) 4, 7

d) ArrayIndexOutOfBoundsException

13. What is the output?

```
public class Test {  
    public static void main(String[] args) {  
        List colors= new ArrayList();  
        colors.add("yellow");  
        colors.add("green");  
        colors.add("red");  
        colors.add("blue");  
        if(colors.remove("red")) {  
            colors.remove("green");  
        }  
        System.out.println(colors);  
    }  
}
```

a) [yellow, green, blue]

b) [yellow, blue]

c) [yellow, green, red, blue]

d) Compile error

14. What is the output?

```
public class Test {  
    public static void main(String[] args) {  
        int[] arr = {3,4,5,4,5,6};  
        for (int i : arr) {  
            System.out.print(arr[i-1] + " ");  
        }  
    }  
}
```

a) Compile error

b) 3,4,5,4,5,6

c) 5 4 5 4 5 6

d) `ArrayIndexOutOfBoundsException`

15. Which of the following exceptions are checked by compiler?

A. `IOException`

B. `SQLException`

C. `NullPointerException`

D. `ArrayIndexOutOfBoundsException`

a) A, B

b) A, B, D

c) A, D

d) All of them