Started on	Tuesday, 10 May 2022, 12:05 PM
State	Finished
Completed on	Tuesday, 10 May 2022, 12:35 PM
Time taken	29 mins 32 secs
Marks	17.00/20.00
Grade	**85.00** out of 100.00

Question 1

Complete

Mark 0.00 out of 1.00

```
Find the value of A[1] after execution of the following program.

int[] A = {0,2,4,1,3};
for(int i = 0; i < a.length; i++){
    a[i] = a[(a[i] + 3) % a.length];
}
```

Select one:

- a. 1
- ● b. 0
- c. 3
- d. 2

```java
public class Test
{
    private int data = 5;

    public int getData()
    {
        return this.data;
    }
    public int getData(int value)
    {
        return (data+1);
    }
    public int getData(int... value)
    {
        return  (data+2);
    }

    public static void main(String[] args)
    {
        Test temp = new Test();
        System.out.println(temp.getData(7, 8, 12));
    }
}
```

Select one:

- a. 8

- b.

  Either Compile time or Runtime error

- c. 7

- d. 10

```
public class Test
{
    try
    {
        public Test()
        {
            System.out.println("GeeksforGeeks");
            throw new Exception();
        }
    }
    catch(Exception e)
    {
        System.out.println("GFG");
    }
    public static void main(String[] args)
    {
        Test test = new Test();
    }
}
```

Select one:

- a. GFG

- b.

  GeeksforGeeks

- c.

  Compilation error

- d. None of these

```java
public class Base
{
    private int multiplier(int data)
    {
        return data*5;
    }
}

class Derived extends Base
{
    private static int data;
    public Derived()
    {
        data = 25;
    }
    public static void main(String[] args)
    {
        Base temp = new Derived();
        System.out.println(temp.multiplier(data));
    }
}
```

Select one:

a.

    Compile time error

b. 125

c. 25

d.

    Runtime error

```
public class Main
{

    public static void main(String ... argos){
            int x = 5;
            x*=2+6;
            System.out.println(x);
        }
}
```

Select one:

a.

```
Compilation fails
```

b. 64

c. 40

d. 16

```java
 public class Main
{

      Main(int a,int b)
      {
          try {
              int c=a/b;
          }catch(Exception e)
          {
              System.out.println("exception caught");
          }


      }
    public static void main(String ... argos){
          new Main(4,0);
      }
}
```

Select one:

a.

Compiles fine but prints nothing

b.

Compilation fails-try catch cannot be written in constructor

c.

None of these

d.

exception caught

Question 7

Complete

Mark 1.00 out of 1.00

```
Find the output of the following code.

        int Integer = 24;
        char String  = 'I';
        System.out.print(Integer);
        System.out.print(String);
```

Select one:

○ a. I

○ b.

```
Compilation fails
```

○ c. 24

● d. 24I

```java
public class Test extends Thread
{
    public void run()
    {
        System.out.printf("Test ");
    }
    public static void main(String[] args)
    {
        Test test = new Test();
        test.run();
        test.start();
    }
}
```

Select one:

○ **a. Test**

○ **b.**

```
Compilation error
```

○ **c.**

```
Runtime error
```

◉ **d. Test test**

Question 9

Complete

Mark 1.00 out of 1.00

```java
public class javaclass
{
    static
    {
        System.out.printf("%d", 1);
    }
    static
    {
        System.out.printf("%d", 2);
    }
    static
    {
        System.out.printf("%d", 3);
    }
    private static int myMethod()
    {
        return 4;
    }
    private int function()
    {
        return 5;
    }

    public static void main(String[] args)
    {
        System.out.printf("%d", (new javaclass()).function() + m
yMethod());
    }
}
```

Select one:

- ○ a. 123
- ○ b. 45
- ● c. 1239

d. 12345

```java
public class Base
{
    private int data;

    public Base()
    {
        data = 5;
    }

    public int getData()
    {
        return this.data;
    }
}

class Derived extends Base
{
    private int data;
    public Derived()
    {
        data = 6;
    }
    private int getData()
    {
        return data;
    }

    public static void main(String[] args)
    {
        Derived myData = new Derived();
        System.out.println(myData.getData());
    }
}
```

Select one:

⊙ a.

```
Run time error
```

b. 5

c. 6

d.

```
Compile time error
```

```
import java.io.*;
public class Test
{
    public void display() throws IOException
    {
        System.out.println("Test");
    }


}

class Derived extends Test
{
    public void display() throws IOException
    {
        System.out.println("Derived");
    }
    public static void main(String[] args) throws IOException
    {
        Derived object = new Derived();
        object.display();
    }
}
```

Select one:

○ **a.**

```
Runtime error
```

○ **b. Test**

○ **c.**

```
Compilation error
```

◉ **d.**

Derived

```java
  public class Test implements Runnable
{
    public void run()
    {
        System.out.printf("%d",3);
    }
    public static void main(String[] args) throws InterruptedExc
eption
    {
        Thread thread = new Thread(new Test());
        thread.start();
        System.out.printf("%d",1);
        thread.join();
        System.out.printf("%d",2);
    }

}
```

Select one:

○ **a. 213**

○ **b. 321**

◉ **c. 132**

○ **d. 123**

```java
import java.io.IOException;
import java.util.EmptyStackException;

public class newclass
{
    public static void main(String[] args)
    {
        try
        {
            System.out.printf("%d", 1);
            throw(new Exception());
        }
        catch(IOException e)
        {
            System.out.printf("%d", 2);
        }
        catch(EmptyStackException e)
        {
            System.out.printf("%d", 3);
        }
        catch(Exception e)
        {
            System.out.printf("%d", 4);
        }
        finally
        {
            System.out.printf("%d", 5);
        }
    }
}
```

Select one:

- a. 145
- b. 15

c. 12345

d. 135

```
Which of the given choices is a possible output?

import java.util.*;

public class hashSet {
    public static void main(String[] args)
    {
        HashSet<String> hashSet = new HashSet<>();
        hashSet.add("abc");
        hashSet.add("def");
        hashSet.add("abc");
        hashSet.add("abc def");

        System.out.println(hashSet);
    }
}
```

Select one:

a.

```
[abc def abc def]
```

b.

```
[abc def]
```

c.

```
[def abc]
```

d.

```
[abc def abc abc def]
```

Question 15

Complete

Mark 1.00 out of 1.00

Which of the following is FALSE about finally block?

Select one:

a.

For each try block, there can be only 1 finally block.

b.

finally block contains important code segment and so the code inside finally block is executed with/without the presence of try block in java code.

c.

finally block will not be executed if program exits by calling System.exit();

d.

If an exception is not handled in the catch statement, before terminating the program, JVM executes the finally block

```
import java.util.*;

public class stack {
    public static void main(String[] args)
    {
        List<String> list = new LinkedList<>();
        list.add("ram");
        list.add("shyam");
        list.add("gopal");
        list.add("ramshyamgopal");
        Iterator<Integer> iter = list.iterator();

        while (iter.hasNext())
            System.out.printf(iter.next() + " ");

        System.out.println();
    }
}
```

Select one:

a.

gopal shyam ram

b.

shyam gopal ram

c.

ram shyam gopal

d.

output cant be predicted

e.

Compilation fails

Question 17

Complete

Mark 1.00 out of 1.00

```
i
```

```
class Helper
{
    private int data;
    private Helper()
    {
        data = 5;
    }
}
public class Test
{
    public static void main(String[] args)
    {
        Helper help = new Helper();
        System.out.println(help.data);
    }
}
```

Select one:

○ **a. None of these**

◉ **b.**

```
Compilation error
```

○ **c. 5**

○ **d.**

```
Runtime error
```

Question 18

Complete

Mark 1.00 out of 1.00

What does the operator >>> do?

Select one:

- a. left shift operator

- b. Right shift operator

- c. zero fill right shift operator

- d. zero fill left shift

```
Find the output of the following program.

public class Solution{
        public static void main(String[] args){
                        short x = 10;
                        x =  x * 5;
                        System.out.print(x);
        }
}
```

Select one:

○ a. 10

○ b. None of these

○ c. 50

◉ d.

```
Compilation fails
```

Question 20

Complete

Mark 1.00 out of 1.00

What happens when we call two threads that have the same priority to process simultaneously?

Select one:

- a.
    It depends on the OS

- b.
    There will be no execution of threads

- c.
    Both of the threads will be simultaneouslyexecuted

- d.
    Any one of the threads can be executed first lexicographically

Version 4.2