Question - 1

What is the output for the below code ?

```
1. public  class A {
2.       int add(int i, int j){
3.              return i+j;
4.              }
5.}
6.public class B extends A{
7.      public static void main(String argv[]){
8.              short s = 9;
9.              System.out.println(add(s,6));
10.             }
11.}
```

Options are

A.Compile fail due to error on line no 2
B.Compile fail due to error on line no 9
C.Compile fail due to error on line no 8
D.15

Question - 2

What is the output for the below code ?

```
public class A {
        int k;
    boolean istrue;
    static int p;
        public void printValue() {
                System.out.print(k);
                System.out.print(istrue);
                System.out.print(p);

        }


}
public class Test{

    public static void main(String argv[]){

        A a = new A();

        a.printValue();
     }
}
```

Options are

A.0 false 0
B.0 true 0
C.0 0 0
D.Compile error - static variable must be initialized before use.

Question - 3

What is the output for the below code ?

```
public class Test{
        int _$;
        int $7;
        int do;
    public static void main(String argv[]){

      Test test = new Test();
      test.$7=7;
      test.do=9;

       System.out.println(test.$7);
       System.out.println(test.do);
       System.out.println(test._$);

     }
}
```

Options are

A.7 9 0
B.7 0 0
C.Compile error - $7 is not valid identifier.
D.Compile error - do is not valid identifier.

Question - 4

What is the output for the below code ?

```
package com;
class Animal {

            public void printName(){
                        System.out.println("Animal");
            }

}
```

```
package exam;
import com.Animal;
public class Cat extends Animal {

            public void printName(){
                        System.out.println("Cat");
            }

}
```

```
package exam;
import com.Animal;

public class Test {

public static void main(String[] args){
            Animal a = new Cat();
            a.printName();

}

}
```

Options are

A.Animal
B.Cat
C.Animal Cat
D.Compile Error

Question - 5

What is the output for the below code ?

```
public  class A {
        int i = 10;
        public void printValue() {
```

```
                System.out.println("Value-A");
        };

}


public class B extends A{
        int i = 12;
        public void printValue() {
                System.out.print("Value-B");
        }
}


public class Test{

    public static void main(String argv[]){

        A a = new B();
        a.printValue();
        System.out.println(a.i);

     }
}
```

Options are

A.Value-B 11
B.Value-B 10
C.Value-A 10
D.Value-A 11

Question - 6

```
What is the output for the below code ?

public enum Test {
        BREAKFAST(7, 30), LUNCH(12, 15), DINNER(19, 45);

        private int hh;

        private int mm;
```

```
        Test(int hh, int mm) {
                assert (hh >= 0 && hh <= 23) : "Illegal hour.";
                assert (mm >= 0 && mm <= 59) : "Illegal mins.";
                this.hh = hh;
                this.mm = mm;
        }

        public int getHour() {
                return hh;
        }

        public int getMins() {
                return mm;
        }

        public static void main(String args[]){
                Test t =  new BREAKFAST;
                System.out.println(t.getHour() +":"+t.getMins());
        }
}
```

Options are

A.7:30
B.Compile Error - an enum cannot be instantiated using the new operator.
C.12:30
D.19:45

Question - 7

```
What is the output for the below code ?

public class A {
        static{System.out.println("static");}
        { System.out.println("block");}
        public A(){
                System.out.println("A");
        }


public static void main(String[] args){
A a = new A();
```

```
}
```

Options are

A.A block static
B.static block A
C.static A
D.A

Question - 8

What is the output for the below code ?

```
1. public class Test {
2. public static void main(String[] args){
3.      int i = 010;
4.      int j = 07;
5.      System.out.println(i);
6.      System.out.println(j);
7. }
8. }
```

Options are

A.8 7
B.10 7
C.Compilation fails with an error at line 3
D.Compilation fails with an error at line 5

Question - 9

What is the output for the below code ?

```
1. public class Test {
2. public static void main(String[] args){
3.      byte b = 6;
4.      b+=8;
5.      System.out.println(b);
6.      b = b+7;
7.      System.out.println(b);
8.      }
9. }
```

Options are

A.14 21
B.14 13
C.Compilation fails with an error at line 6
D.Compilation fails with an error at line 4

Question - 10

What is the output for the below code ?

```
public class Test {
public static void main(String[] args){
        String value = "abc";
        changeValue(value);
        System.out.println(value);

}

public static void changeValue(String a){
        a = "xyz";
}

}
```

Options are

A.abc
B.xyz
C.Compilation fails
D.Compilation clean but no output

Question - 11

What is the output for the below code ?

```
public class Test {

        public static void printValue(int i, int j, int k){
                System.out.println("int");
        }
        public static void printValue(byte...b){
                System.out.println("long");
        }

        public static void main(String... args) {
                byte b = 9;
                printValue(b,b,b);
        }
}
```

Options are

A.long
B.int
C.Compilation fails
D.Compilation clean but throws RuntimeException

Question - 12
Fill in the gap:

```
public class Test {


    public static void main(String[] args) {
        String[] words = new String[] {"aaa", "bbb", "ccc", "aaa"};
        Map<String, Integer> m = new TreeMap<String, Integer>();
        for (String word : words) {
             freq = m.get(word);
            m.put(word, freq == null ? 1 : freq + 1);
        }
        System.out.println(m);


    }
```

Use the following fragments zero or many times

String

Integer

Boolean

Float

Question - 13

You have a java file name Test.java inside src folder of javaproject directory.
You have also classes folder inside javaproject directory.

you have issued below command from command prompt.

```
cd javaproject
```

Which of the below command puts Test.class file inside classes folder ?

Options are

A.javac -d classes src/Test.java
B.javac Test.java
C.javac src/Test.java
D.javac classes src/Test.java

Question - 14

```
You have two class files name Test.class and Test1.class inside
javaproject directory.

Test.java source code is :

public class Test{

        public static void main (String[] args){
                System.out.println("Hello Test");
        }
}

Test1.java source code is :

public class Test1{

        public static void main (String[] args){
                System.out.println("Hello Test1");
        }
}


you have issued below commands from command prompt.

cd javaproject
java Test Test1

What is the output ?
```

Options are

A.Hello Test
B.Hello Test Hello Test1
C.Hello Test1
D.Run fails - class not found

Question - 15

You have a java file name Test.java .

Test.java needs access to a class contained in app.jar in "exam" directory.

Which of the follwing command set classpath to compile clean?

Options are

A.javac -classpath exam/app.jar Test.java
B.javac -classpath app.jar Test.java
C.javac -classpath exam Test.java
D.None of the above

Question - 16

What will be the result of compiling the following code:

```
public class SuperClass {
        public int doIt(String str, Integer... data)throws Exception{
                String signature = "(String, Integer[])";
                System.out.println(str + "  " + signature);
                return 1;
        }

}

public class SubClass extends SuperClass{

        public int doIt(String str, Integer... data)
        {
                String signature = "(String, Integer[])";
```

```
                System.out.println("Overridden: " + str + " " +
signature);
                return 0;
        }

        public static void main(String... args)
        {
                SuperClass sb = new SubClass();
                sb.doIt("hello", 3);
        }

}
```

Options are

A.Overridden: hello (String, Integer[])
B.hello (String, Integer[])
C.Complilation fails
D.None of the above

Question - 17

```
What happens when the following code is compiled and run.
Select the one correct answer.

for(int i = 2; i < 4; i++)
  for(int j = 2; j < 4; j++)
    if(i < j)
       assert i!=j : i;
```

Options are

A.The class compiles and runs, but does not print anything.
B.The number 2 gets printed with AssertionError
C.compile error
D.The number 3 gets printed with AssertionError

Question - 18

```
What happens when the following code is compiled and run.
Select the one correct answer.

for(int i = 2; i < 4; i++)
  for(int j = 2; j < 4; j++)
     assert i!=j : i;
```

Options are

A.The class compiles and runs, but does not print anything.
B.The number 2 gets printed with AssertionError
C.compile error
D.The number 3 gets printed with AssertionError

Question - 19

```
try{
                File f = new File("a.txt");
                        }catch(Exception e){

                        }catch(IOException io){

                        }
Is this code create new file name a.txt ?
```

Options are

A.True
B.False
C.Compilation Error
D.None

.

Question - 20

```
class A {
        A(String s) {
        }
        A() {
        }
}

1. class B extends A {
2.      B() { }
3.      B(String s) {
4.              super(s);
5.      }
6.      void test() {
7.              // insert code here
8.      }
9. }
```

Which of the below code can be insert at line 7 to make clean compilation ?

Options are

A.A a = new B();
B.A a = new B(5);
C.A a = new A(String s);
D.All of the above

Question - 21

What is the output for the below code ?

```
interface A {
        public void printValue();
```

```
}

1. public class Test{
2.      public static void main (String[] args){
3.              A a1 = new A() {
4.                      public void printValue(){
5.                              System.out.println("A");
6.                      }
7.                      };
8.                      a1.printValue();
9.                      }
10. }
```

Options are

A.Compilation fails due to an error on line 3
B.A
C.Compilation fails due to an error on line 8
D.null

Question - 22

```
class A {
        class A1 {
                void printValue(){
                        System.out.println("A.A1");
                }
        }
}

1. public class Test{
2.      public static void main (String[] args){
3.              A a = new A();
4.              // INSERT CODE
5.              a1.printValue();
6.      }
7. }
```

Which of the below code inserted at line 4, compile and produce the output "A.A1"?

Options are

A.A.A1 a1 = new A.A1();
B.A.A1 a1 = a.new A1();
C.A a1 = new A.A1();
D.All of the above

Question - 23

What is the output for the below code ?

```
public  class A {
        public void printValue(){
                System.out.println("Value-A");
        }
}

public class B extends A{
        public void printNameB(){
                System.out.println("Name-B");
        }
}

public class C extends A{

        public void printNameC(){
                System.out.println("Name-C");
        }

}

1. public class Test{
2.      public static void main (String[] args) {
3.              B b = new B();
4.              C c = new C();
5.              newPrint(b);
6.              newPrint(c);
7.      }
8.      public static void newPrint(A a){
9.              a.printValue();
10.     }
```

```
11. }
```

Options are

A.Value-A Name-B
B.Value-A Value-A
C.Value-A Name-C
D.Name-B Name-C

Question - 24

```
What is the output for the below code ?

public  class A {
        public void printName(){
                System.out.println("Value-A");
        }
}

public class B extends A{
        public void printName(){
                System.out.println("Name-B");
        }
}

public class C extends A{

        public void printName(){
                System.out.println("Name-C");
        }

}

1. public class Test{
2.      public static void main (String[] args) {
3.              B b = new B();
4.              C c = new C();
5.              b = c;
6.              newPrint(b);
7.      }
```

```
8.      public static void newPrint(A a){
9.              a.printName();
10.     }
11. }
```

Options are

A.Name-B
B.Name-C
C.Compilation fails due to an error on lines 5
D.Compilation fails due to an error on lines 9

Question - 25

```
What is the output for the below code ?

public class C {

}

public class D extends C{

}

public class A {

        public C getOBJ(){
                System.out.println("class A - return C");
                return new C();

        }

}

public class B extends A{

        public D getOBJ(){
                System.out.println("class B - return D");
                return new D();

        }
```

```
}

public class Test {

public static void main(String... args) {
     A a = new B();
     a.getOBJ();

     }
}
```

Options are

A.class A - return C
B.class B - return D
C.Compilation fails
D.Compilation succeed but no output

Question - 26

```
What is the output for the below code ?

public  class A {
        private void printName(){
                System.out.println("Value-A");
        }
}

public class B extends A{
        public void printName(){
                System.out.println("Name-B");
        }
}


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

```
}
```

Options are

A.Value-A
B.Name-B
C.Value-A Name-B
D.Compilation fails - private methods can't be override

Question - 27

What is the output for the below code ?

```
import java.io.FileNotFoundException;

public  class A {
        public void printName() throws FileNotFoundException {
                System.out.println("Value-A");
        }
}

public class B extends A{
        public void printName() throws NullPointerException{
                System.out.println("Name-B");
        }
}


public class Test{
        public static void main (String[] args) throws Exception{
                A a = new B();
                a.printName();
        }

}
```

Options are

A.Value-A
B.Compilation fails-Exception NullPointerException is not compatible with throws clause in A.printName()
C.Name-B
D.Compilation succeed but no output

Question - 28

What is the output for the below code ?

```
public  class A {
        public  A(){
                System.out.println("A");
        }
        public  A(int i){
                this();
                System.out.println(i);
        }
}


public class B extends A{
        public B (){
                System.out.println("B");
        }
        public B (int i){
                this();
                System.out.println(i+3);
        }
}


public class Test{

        public static void main (String[] args){
                new B(5);
        }
}
```

Options are

A.A B 8
B.A 5 B 8
C.A B 5
D.B 8 A 5

Question - 29

What is the output for the below code ?

```
1. public interface InfA {
2.              protected  String getName();
3. }

public class Test implements InfA{
        public  String getName(){
                return "test-name";
        }

        public static void main (String[] args){
                Test t = new Test();
                System.out.println(t.getName());

        }
}
```

Options are

A.test-name
B.Compilation fails due to an error on lines 2
C.Compilation fails due to an error on lines 1
D.Compilation succeed but Runtime Exception

Question - 30

What is the output for the below code ?

```
public class D {
        int i;
        int j;
        public D(int i,int j){
                this.i=i;
                this.j=j;
        }

        public void printName()   {
                System.out.println("Name-D");
        }

}

1. public class Test{
2.      public static void main (String[] args){
3.              D d = new D();
4.              d.printName();
5.
6.      }
7. }
```

Options are

A.Name-D
B.Compilation fails due to an error on lines 3
C.Compilation fails due to an error on lines 4
D.Compilation succeed but no output

Question - 31

```
public  class A {
        public void test1(){
                System.out.println("test1");
        }
}

public class B extends A{
        public void test2(){
                System.out.println("test2");
        }
}

1. public class Test{
2.      public static void main (String[] args){
3.              A a = new A();
4.              A b = new B();
5.              B b1 = new B();
6.          // insert code here
7.      }
8. }
```

Which of the following , inserted at line 6, will compile and print test2?

Options are

A.((B)b).test2();
B.(B)b.test2();
C.b.test2();
D.a.test2();

Question - 32

What is the output for the below code ?

```
1. public class Test {
2.      public static void main(String... args) {
3.              int x =5;
4.              x *= 3 + 7;
5.              System.out.println(x);
6.      }
7. }
```

Options are

A.22
B.50
C.10
D.Compilation fails with an error at line 4

Question - 33

What is the output for the below code ?

```
1. public class Test {
2.      enum Month { JAN, FEB, MAR };
3.      public static void main(String... args) {
4.              Month m1 = Month.JAN;
5.              Month m2 = Month.JAN;
6.              Month m3 = Month.FEB;
7.              System.out.println(m1 == m2);
8.              System.out.println(m1.equals(m2));
9.              System.out.println(m1 == m3);
10.             System.out.println(m1.equals(m3));
11.     }
12. }
```

Options are

A.true true true false
B.true true false false
C.false false true true
D.Compilation fails with an error at line 10

Question - 34

What is the output for the below code ?

```
1. public class Test {
2.      public static void main(String... args) {
3.              int [] index = new int[5];
4.              System.out.println(index instanceof Object);
5.      }
6. }
```

Options are

A.true
B.false
C.Compilation fails with an error at line 3
D.Compilation fails with an error at line 4

Question - 35

What is the output for the below code ?

```
public class Test {
```

```
        public static void main(String... args) {
                int a =5 , b=6, c =7;
                System.out.println("Value is "+ b +c);
                System.out.println(a + b +c);
                System.out.println("String "+(b+c));
        }
}
```

Options are

A.Value is 67 18 String 13
B.Value is 13 18 String 13
C.Value is 13 18 String
D.Compilation fails

Question - 36

```
What is the output for the below code?
public class A {
        public A() {
         System.out.println("A");
    }
}

public class B extends A implements Serializable {
        public B() {
         System.out.println("B");
    }

}

public class Test {

        public static void main(String... args) throws Exception {
                B b = new B();

         ObjectOutputStream save = new ObjectOutputStream(new
FileOutputStream("datafile"));
         save.writeObject(b);
         save.flush();
```

```
        ObjectInputStream restore = new ObjectInputStream(new
FileInputStream("datafile"));
        B z = (B) restore.readObject();



        }

}
```

Options are

A.A B A
B.A B A B
C.B B
D.B

Question - 37

```
What is the output for the below code?

public class A {
        public A() {
        System.out.println("A");
    }
}

public class Test {

        public static void main(String... args) throws Exception {
                A a = new A();

        ObjectOutputStream save = new ObjectOutputStream(new
FileOutputStream("datafile"));
        save.writeObject(a);
        save.flush();


        ObjectInputStream restore = new ObjectInputStream(new
FileInputStream("datafile"));
        A z = (A) restore.readObject();
```

```
        }

}
```

Options are

A.A A
B.A
C.java.io.NotSerializableException
D.None of the above

Question - 38

What will be the result of compiling and run the following code:

```
public class Test {

        public static void main(String... args) throws Exception {
                Integer i = 34;
                int l = 34;
                if(i.equals(l)){
                        System.out.println(true);
                }else{
                        System.out.println(false);
                }

        }

}
```

Options are

A.true
B.false
C.Compile error
D.None of the above

Question - 39

```
What will be the result of compiling and run the following code:
public class Test {

        public static void main(String... args) throws Exception {
                File file = new File("test.txt");
                System.out.println(file.exists());
                file.createNewFile();
                System.out.println(file.exists());
        }

}
```

Options are

A.true true
B.false true
C.false true
D.None of the above

Question - 40

```
What is the output for the below  code ?
public class A {}

public class B implements Serializable  {
        private static A a = new A();
        public static void main(String... args){
                B b = new B();
                try{
                        FileOutputStream fs = new
FileOutputStream("b.ser");
                        ObjectOutputStream os = new
ObjectOutputStream(fs);
```

```
                        os.writeObject(b);
                        os.close();

                }catch(Exception e){
                        e.printStackTrace();
                }

        }

}
```

Options are

A.Compilation Fail
B.java.io.NotSerializableException: Because class A is not Serializable.
C.No Exception at Runtime
D.None of the above

Question - 41

What will happen when you attempt to compile and run the following code ?

```
1. public class Test extends Thread{
2.     public static void main(String argv[]){
3.       Test t = new Test();
4.       t.run();
5.       t.start();
6.     }
7.     public void run(){
8.       System.out.println("run-test");
9.     }
10. }
```

Options are

A.run-test run-test
B.run-test
C.Compilation fails due to an error on line 4

D.Compilation fails due to an error on line 7

Question - 42

```
What is the output for the below code ?

class A implements Runnable{
        public void run(){
                System.out.println("run-a");
        }
}

1. public class Test {
2.      public static void main(String... args) {
3.              A a = new A();
4.              Thread t = new Thread(a);
5.              t.start();
6.              t.start();
7.      }
8. }
```

Options are

A.run-a
B.run-a run-a
C.Compilation fails with an error at line 6
D.Compilation succeed but Runtime Exception

Question - 43

What is the output for the below code ?

```
class A  implements Runnable{
        public void run(){
                try{
                for(int i=0;i<4;i++){
                        Thread.sleep(100);

        System.out.println(Thread.currentThread().getName());
                }
                }catch(InterruptedException e){

                }
        }
}


public class Test {
    public static void main(String argv[]) throws Exception{
      A a = new A();
      Thread t = new Thread(a,"A");
      Thread t1 = new Thread(a,"B");
      t.start();
      t.join();
      t1.start();
       }
}
```

Options are

A.A A A A B B B B
B.A B A B A B A B
C.Output order is not guaranteed
D.Compilation succeed but Runtime Exception

Question - 44

What is the output for the below code ?

```
public class B {
        public synchronized void printName(){
                try{
```

```
                        System.out.println("printName");
                            Thread.sleep(5*1000);

                        }catch(InterruptedException e){

                        }
        }

        public  synchronized void printValue(){
                        System.out.println("printValue");

        }
}



public class Test extends Thread{
        B b = new B();
    public static void main(String argv[]) throws Exception{
    Test t = new Test();
    Thread t1 = new Thread(t,"t1");
    Thread t2 = new Thread(t,"t2");
    t1.start();
    t2.start();
    }

    public void run(){
        if(Thread.currentThread().getName().equals("t1")){
                b.printName();
        }else{
                b.printValue();
        }
    }

}
```

Options are

A.print : printName , then wait for 5 seconds then print : printValue
B.print : printName then print : printValue
C.print : printName then wait for 5 minutes then print : printValue
D.Compilation succeed but Runtime Exception

Question - 45

```
What is the output for the below code ?

public class B {
        public static synchronized void printName(){
                try{
                        System.out.println("printName");
                             Thread.sleep(5*1000);

                        }catch(InterruptedException e){

                        }
        }

        public synchronized void printValue(){
                        System.out.println("printValue");

        }
}



public class Test extends Thread{
        B b = new B();
    public static void main(String argv[]) throws Exception{
    Test t = new Test();
    Thread t1 = new Thread(t,"t1");
    Thread t2 = new Thread(t,"t2");
    t1.start();
    t2.start();
    }

    public void run(){
        if(Thread.currentThread().getName().equals("t1")){
                b.printName();
        }else{
                b.printValue();
        }
    }

}
```

Options are

A.print : printName , then wait for 5 seconds then print : printValue
B.print : printName then print : printValue
C.print : printName then wait for 5 minutes then print : printValue
D.Compilation succeed but Runtime Exception

Question - 46

What is the output for the below code ?

```
class A extends Thread{
        int count = 0;
                public void run(){
                        System.out.println("run");
                        synchronized (this) {
                                for(int i =0; i < 50 ; i++){
                                        count = count + i;
                                }
                                notify();
                }
        }
}



public class Test{

    public static void main(String argv[]) {
        A a = new A();
        a.start();
        synchronized (a) {
                System.out.println("waiting");
                try{
                        a.wait();
                }catch(InterruptedException e){

                }
                System.out.println(a.count);

                }

    }

}
```

Options are

A.waiting run 1225
B.waiting run 0
C.waiting run and count can be anything
D.Compilation fails

Question - 47

Which of the following statements about this code are true?

```
class A  extends Thread{
        public void run(){
                for(int i =0; i < 2; i++){
                        System.out.println(i);
                }
        }
}


public class Test{
        public static void main(String argv[]){
                Test t = new Test();
                t.check(new A(){});
        }
        public void check(A a){
                a.start();
                }

}
```

Options are

A.0 0
B.Compilation error, class A has no start method
C.0 1
D.Compilation succeed but runtime exception

Question - 48

HashMap can be synchronized by _____ ?

Options are

A.Map m = Collections.synchronizeMap(hashMap);
B.Map m = hashMap.synchronizeMap();
C.Map m = Collection.synchronizeMap(hashMap);
D.None of the above

Question - 49

What is the output for the below code?

```
import java.util.LinkedList;
import java.util.Queue;


public class Test {
        public static void main(String... args) {


                Queue q = new LinkedList();
                        q.add("newyork");
                        q.add("ca");
                        q.add("texas");
                        show(q);
                    }

                    public static void show(Queue q) {
                        q.add(new Integer(11));
                        while (!q.isEmpty ( ) )
                            System.out.print(q.poll() + "  ");
```

```
                    }

}
```

Options are

A.Compile error : Integer can't add
B.newyork ca texas 11
C.newyork ca texas
D.None of the above

Question - 51

What is the output for the bellow code?

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;


public class Test {
        public static void main(String... args) {

                Set s = new TreeSet();
                  s.add("7");
                  s.add(9);
                  Iterator itr = s.iterator();
                    while (itr.hasNext())
                  System.out.print(itr.next() + " ");



        }

}
```

Options are

A.Compile error
B.Runtime Exception
C.7 9
D.None of the above

Question - 52

What is the output for the below code?

```
import java.util.Iterator;
import java.util.TreeSet;


public class Test {
        public static void main(String... args) {

                TreeSet s1 = new TreeSet();
                s1.add("one");
                s1.add("two");
                s1.add("three");
                s1.add("one");

                    Iterator it = s1.iterator();
                   while (it.hasNext() ) {
                        System.out.print( it.next() + " " );
                    }


        }

}
```

Options are

A.one three two
B.Runtime Exception
C.one three two one
D.one two three

Question - 53

```
If we do

ArrayList lst = new ArrayList();

What is the initial capacity of the ArrayList lst ?
```

Options are

A.10
B.8
C.15
D.12

Question - 54

```
What is the output for the below code ?

package bean;

public class Abc {
 public static int index_val = 10;
}

package com;
import static bean.Abc.index_val;

public class Test1 {

        public static void main(String... args) {
             System.out.println(index_val);
        }
}
```

Options are

A.10
B.compile error, index_val not defined
C.Compile error at import static bean.Abc.index_val;
D.None of the above

Question - 55

Which of the following statement is true about jar command?

Options are

A.The jar command creates the META-INF directory implicitly.
B.The jar command creates the MANIFEST.MF file implicitly.
C.The jar command would not place any of your files in META-INF directory.
D.All of the above are true

Question - 56

You have a class file name Test.class inside javaproject directory.

Test.java source code is :

```
import java.util.Properties;
class Test {
        public static void main (String[] args){
                Properties p = System.getProperties();
                System.out.println(p.getProperty("key1"));
        }
}
```

you have issued below commands from command prompt.

```
cd javaproject
java -D key1=value1 Test
```

What is the output ?

Options are

A.value1
B.null
C.Run successfully but no output
D.Run fails - java.lang.NoClassDefFoundError: key1=value1

Question - 57

What is the output for the below code ?

```
public class A {
   public void printValue(){
           System.out.println("A");
   }
}

public class B extends A {
        public void printValue(){
                   System.out.println("B");
           }
}

1. public class Test {
2.      public static void main(String... args) {
3.              A b = new B();
4.              newValue(b);
5.      }
6.      public static void newValue(A a){
7.              if(a instanceof B){
8.                      ((B)a).printValue();
9.              }
10.     }
```

```
11. }
```

Options are

A.A
B.B
C.Compilation fails with an error at line 4
D.Compilation fails with an error at line 8

Question - 58

What is the output for the below code ?

```
1. public class Test {
2.      static int i =5;
3.      public static void main(String... args) {
4.              System.out.println(i++);
5.              System.out.println(i);
6.              System.out.println(++i);
7.              System.out.println(++i+i++);
8.
9.      }
10. }
```

Options are

A.5 6 7 16
B.6 6 6 16
C.6 6 7 16
D.5 6 6 16

Question - 59

```
What is the output for the below code ?

1. public class Test {
2.      public static void main(String... args) {
3.              Integer i = 34;
4.              String str = (i<21)?"jan":(i<56)?"feb":"march";
5.              System.out.println(str);
6.      }
7. }
```

Options are

A.feb
B.jan
C.march
D.Compilation fails with an error at line 4

Question - 60

```
What is the output ?

public class Test {

        public static void main(String... args) {

                Pattern p = Pattern.compile("a+b?c*");
                Matcher m = p.matcher("ab");
                boolean b = m.matches();
                System.out.println(b);



        }
}
```

Options are

A.true

B.false
C.Compile error
D.None of the above

Question - 61

What is the output for the below code ?

```
1. public class Test {
2. public static void main(String[] args){
3.      byte i = 128;
4.      System.out.println(i);
5.      }
6. }
```

Options are

A.128
B.0
C.Compilation fails with an error at line 3
D.Compilation fails with an error at line 4

Question - 62

What is the output for the below code ?

```
1. public class Test {
2.      int i=8;
3.      int j=9;
4. public static void main(String[] args){
5.      add();
6. }
7.   public static void add(){
8.         int k = i+j;
```

```
9.          System.out.println(k);
10.    }
11. }
```

Options are

A.17
B.0
C.Compilation fails with an error at line 5
D.Compilation fails with an error at line 8

Question - 63

Which collection class grows or shrinks its size and provides indexed access to its elements, but methods are not synchronized?

Options are

A.java.util.ArrayList
B.java.util.List
C.java.util.HashSet
D.java.util.Vector

Question - 64

What is the output of bellow code ?

```
public class Bean{
        private String str;

        Bean(String str ){
                this.str = str;
        }

        public String getStr() {
                return str;
```

```
        }

        public boolean equals(Object o){
                if (!(o instanceof Bean)) {
                        return false;
                }

                return ((Bean) o).getStr().equals(str);
        }

        public int hashCode() {
                return 12345;
        }

        public String toString() {
                return str;
        }
}



import java.util.HashSet;
public class Test {
        public static void main(String ... sss) {
                HashSet myMap = new HashSet();
                String s1 = new String("das");
                String s2 = new String("das");
                Bean s3 = new Bean("abcdef");
                Bean s4 = new Bean("abcdef");

                myMap.add(s1);
                myMap.add(s2);
                myMap.add(s3);
                myMap.add(s4);

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

Options are

A.das abcdef
B.das abcdef das abcdef
C.das das abcdef abcdef
D.das

Question - 65

What will happen when you attempt to compile and run the following code ?

```
class A  implements Runnable{
        public void run(){
                System.out.println("run-A");
        }
}

1. public class Test {
2.    public static void main(String argv[]){
3.      A a = new A();
4.      Thread t = new Thread(a);
5.     System.out.println(t.isAlive());
6.     t.start();
7.     System.out.println(t.isAlive());
8.    }
9. }
```

Options are

A.false run-A true
B.false run-A false
C.true run-A true
D.Compilation fails due to an error on line 7

Question - 66

What will happen when you attempt to compile and run the following code ?

```
1. public class Test extends Thread{
2.    public static void main(String argv[]){
3.      Test t = new Test();
4.      t.run();
5.      t.start();
6.    }
7.    public void run(){
```

```
8.      System.out.println("run-test");
9.    }
10. }
```

Options are

A.run-test run-test
B.run-test
C.Compilation fails due to an error on line 4
D.Compilation fails due to an error on line 7

Question - 67

Which of the following are methods of the Thread class?

```
1) yield()
2) sleep(long msec)
3) go()
4) stop()
```

Options are

A.1 , 2 and 4
B.1 and 3
C.3 only
D.None of the above

Question - 68

What notifyAll() method do?

Options are

A.Wakes up all threads that are waiting on this object's monitor
B.Wakes up one threads that are waiting on this object's monitor
C.Wakes up all threads that are not waiting on this object's monitor
D.None of the above