

1.

Consider the following TestClass.java file in the current directory:

```
package a.a.a;
public class TestClass
{
    public static void main(String[] args)
    {
        System.out.println("Good!!!");
    }
}
```

Which of the following command lines should be used for compiling if the generated class file is to be executed using the following command line:

```
java -classpath . a.a.a.TestClass
```

Please select 1 option

- ☐ java TestClass.java
- ☐ javac -d a.a.a TestClass.java
- ☐ javac -d . TestClass.java
- ☐ javac -d ../a TestClass.java
- ☐ java -d TestClass.java

2.

Which of the following are correct about "encapsulation"?

Please select 2 options

- ☐ Encapsulation is same as polymorphism.
- ☐ It helps make sure that clients have no accidental dependence on the choice of representation
- ☐ It helps avoiding name clashes as internal variables are not visible outside.
- ☐ Encapsulation makes sure that messages are sent to the right object at run time.
- ☐ Encapsulation helps you inherit the properties of another class.

3.

Which of the following are true about accessor methods?

Please select 1 option

- ☐ They allow setting and retrieval of private data elements of an instance.
- ☐ They should be private.
- ☐ They can be overloaded.
- ☐ They inherit members from the base class.

4.



What is meant by "encapsulation" ?

Please select 1 option

- ☐ There is no way to access member variable.
- ☐ There are no member variables.
- ☐ Member fields are declared private and public accessor/mutator methods are provided to access and change their values if needed.
- ☐ Data fields are declared public and accessor methods are provided to access and change their values.

5.

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☐ Hide Section/Toughness ☐ Mark  

Java ME can be used to develop applications for:

Please select 1 option

- ☐ Desktop applications that can handle human interaction.
- ☐ Embedded applications for Raspberry Pi.
- ☐ Personalized applications for smart phones.
- ☐ Back end/server side.

6.

Given the following code:

```
class References
{
    String s1;
    String s2 = null;
    Integer i1 = new Integer();
    int i2;
    File f;
    Object b = f;
}
```

How many object references are bring created?

Please select 1 option

- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8

7.

Consider the following class:

```
public class ArgsPrinter
{
    public static void main(String args)
    {
        for(int i=0; i<3; i++)
        {
            System.out.println(args);
        }
    }
}
```

What will be printed when the above class is run using the following command line:
java ArgsPrinter 1 2 3 4

Please select 1 option

- ☐ 1 2 3
- ☐ ArgsPrinter 1 2
- ☐ java ArgsPrinter 1 2
- ☐ 1 1 1
- ☐ None of these.

8.

What command should be given to compile and run a java source file named TestClass.java (for standard Oracle JDK)?

Please select 1 option

- ☐ javac TestClass and java TestClass.class
- ☐ javac TestClass.java and java TestClass
- ☐ java TestClass.java and java TestClass
- ☐ javac TestClass.java and javac TestClass
- ☐ None of the above.

9.

Given the class

```
// Filename: Test.java
public class Test
{
    public static void main(String args[])
    {
        for(int i = 0; i < args.length; i++)
        {
            System.out.print(" "+args[i]);
        }
    }
}
```

Now consider the following 3 options for running the program:

- a: java Test
- b: java Test param1
- c: java Test param1 param2

Which of the following statements are true?

Please select 2 options

- ☐ The program will throw java.lang.ArrayIndexOutOfBoundsException on option a.
- ☐ The program will throw java.lang.NullPointerException on option a.
- ☐ The program will print Test param1 on option b.
- ☐ It will print param1 param2 on option c.
- ☐ It will not print anything on option a.

10.

Consider the following code:

```
class Test
{
    public static void main(String[] args)
    {
        for (int i = 0; i < args.length; i++)    System.out.print(i == 0 ? args[i] : " " + args[i]);
    }
}
```

What will be the output when it is run by giving the following command:
java Test good bye friend!

Please select 1 option

- ☐ It will print good bye friend!
- ☐ It will print good good good
- ☐ It will print goodgoodgood
- ☐ It will print good bye
- ☐ None of the above.