OCA PREP QUESTIONS

SET – 2

1. For the class Test, which option, if used to replace /*INSERT*/, will print "Lucky no. 7" on to the console?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          /*INSERT*/
4.          switch(var) {
5.              case '7':
6.                  System.out.println("Lucky no. 7");
7.                  break;
8.              default:
9.                  System.out.println("DEFAULT");
10.         }
11.     }
12. }
```

A. int var=7
B. None of the other options
C. Integer var=7
D. int var=’7’

2. Given Code::

```
1.  import java.io.*;
2.
3.  class ReadTheFile {
4.      static void print() { //Line 4
5.          throw new IOException(); //Line 5
6.      }
7.  }
8.
9.  public class Test {
```

```
10.     public static void main(String[] args) { //Line 10
11.         ReadTheFile.print(); //Line 11
12.         //Line 12
13.     }
14. }
```

Which 2 changes are necessary so that code compiles successfully?

A. Surround Line 11 with below try-catch block:

```
try {
   ReadTheFile.print();
}  catch(IOException  |  Exception e ) {
   e.printStackTrace();
}
```

B. Surround Line 11 with below try-catch block:

```
try {
   ReadTheFile.print();
}  catch(IOException  | e )  {
   e.printStackTrace();
}
```

C. Replace Line 4 with static void print() throws Throwable {

D. Replace Line 4 with static void print() throws Exception {

E. Replace Line 10 with public static void main (String[ ] args) throws IOException {

F. Surround Line 11 with below try-catch block:

```
try {
   ReadTheFile.print();
}  catch(Exception  | e )  {
   e.printStackTrace();
}
```

3. Given Code:

```
1. public class Test {
2.      private static int [] arr;
3.      public static void main(String [] args) {
4.          if(arr.length > 0 && arr != null) {
5.              System.out.println(arr[0]);
6.          }
7.      }
8. }
```

Predict Output, if the above code is run with given command?

java Test

A. Compilation error
B. NullPointerException is thrown at runtime
C. No output
D. ArrayIndexOutOfBoundsException is thrown at runtime

4. Consider below code:

```
import java.time.Period;
 public class Test {
    public static void main(String [] args) {
       Period period = Period.of(0, 1000, 0);
       System.out.println(period);
    }
}
```

What will be the result of compiling and executing Test class?

A. P0Y1000M0D
B. p0y1000m0d
C. p1000m
D. P1000M

5. What will be the result of compiling and executing Test class?

```
1. public class Test {
2.      static String msg; //Line 2
3.      public static void main(String[] args) {
4.          String msg; //Line 4
5.          if(args.length > 0) {
```

```
6.              msg = args[0]; //Line 6
7.          }
8.          System.out.println(msg); //Line 8
9.      }
10. }
```

A. Line 4 causes compilation failure
B. Line 8 causes compilation failure
C. null
D. An exception is thrown at runtime by 6
E. Line 2 causes compilation failure

6. What will be the result of compiling and executing Test class?

```
1.  public class Test {
2.
3.      private static void add(double d1, double d2) {
4.          System.out.println("double version: " + (d1 + d2));
5.      }
6.
7.      private static void add(Double d1, Double d2) {
8.          System.out.println("Double version: " + (d1 + d2));
9.      }
10.
11.     public static void main(String[] args) {
12.         add(10.0, new Double(10.0));
13.     }
14.
15. }
```

A. An exception is thrown at runtime
B. Double version 20.0
C. Compilation error
D. double version 20.0

7. What will be the output of compiling and executing the Test class?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          int a = 5;
4.          int x = 10;
5.          switch(x) {
6.              case 10:
7.                  a *= 2;
8.              case 20:
9.                  a *= 3;
10.             case 30:
11.                 a *= 4;
12.         }
```

```
13.         System.out.println(a);
14.     }
15. }
```

A. 10
B. 120
C. 5
D. 30

8. What will be the result of compiling and executing Test class?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          int i;
4.          for(i=0; i<=2; i++){}
5.          System.out.println(i);
6.      }
7.  }
```

A. 3
B. Compilation error
C. 2
D. 0

9. What will be the result of compiling and executing Test class?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          StringBuilder sb = new StringBuilder("Good"); //Line 3
4.          change(sb); //Line 4
5.          System.out.println(sb); //Line 5
6.      }
7.
8.      private static void change(StringBuilder s) {
9.          s.append("_Morning"); //Line 9
10.     }
11. }
```

A. _Morning
B. None of the other options
C. Good_Morning
D. Good

10. Below is the code of Test.java file:

```
1.  import java.util.ArrayList;
2.  import java.util.List;
3.
4.  abstract class Animal {}
5.  class Dog extends Animal{}
6.
```

```
7.  public class Test {
8.       public static void main(String [] args) {
9.           List<Animal> list = new ArrayList<Dog>();
10.          list.add(0, new Dog());
11.          System.out.println(list.size() > 0);
12.      }
13. }
```

What will be the result of compiling and executing Test class?

A. Runtime exception
B. true
C. false
D. compilation error