1. Which of the following can be used as a constructor for the class given below?

```
1.  public class Planet {
2.  }
```

      A. public void Planet (int x) { }
      B. public void Planet( ) { }
      C. public Planet(String str) { }
      D. None of the options

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

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          int [] arr1 = {1, 2, 3};
4.          char [] arr2 = {'A', 'B'}; //ASCII code of 'A' is 65, 'B' is 66
5.          arr1 = arr2;
6.          for(int i = 0; i < arr1.length; i++) {
7.              System.out.print(arr1[i] + " ");
8.          }
9.      }
10. }
```

      A. 65 66
      B. A B
      C. 1 2 3
      D. Compilation error

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

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

      A. static method

B. NullPointerException is thrown

C. Compilation error

D. None of the options

4. Which of the method of String class is used to remove leading and trailing white spaces?

A. Itrim( )

B. rtrim( )

C. trim( )

D. trimBoth( )

5. Consider below code:

```
1.  public class Test {
2.
3.      private static void add(int i, int j) {
4.          System.out.println("int version");
5.      }
6.
7.      private static void add(Integer i, Integer j) {
8.          System.out.println("Integer version");
9.      }
10.
11.     public static void main(String[] args) {
12.         add(10, 20);
13.     }
14.
15. }
```

Which modifications, done independently, print "Integer version" on to the console? Select 3 options.

A. Remove add(int i, int j) method declaration and definition

B. Replace add(10,20); by add(null ,null);

C. Replace add(10,20); by add(10.0 ,20.0);

D. Replace add(10,20); by add(new Integer (10),new Integer(20));

6. 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();
4.          System.out.println(sb.append("").append("").append("").length());
5.      }
6.  }
```

A. **0**

B. 3

C. 2

D. 1

7. Consider below code:

```
1.
2.  //Test.java
3.  import java.time.LocalDate;
4.
5.  public class Test {
6.      public static void main(String [] args) {
7.          LocalDate date1 = LocalDate.parse("1980-03-16");
8.          LocalDate date2 = LocalDate.parse("1980-03-16");
9.          System.out.println(date1.equals(date2) + " : " + date1.isEqual(date2));
10.     }
11. }
```

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

A. false:true

B. false:false

C. **true:true**

D. true:false

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

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          extractInt(2.7);
4.          extractInt(2);
5.      }
6.
7.      private static void extractInt(Double obj) {
8.          System.out.println(obj.intValue());
9.      }
10. }
```

A. 3
   2

B. 2
   2

C. Compilation error in extractInt method

    D. Compilation error in main method
    E. <mark>An exception is thrown at runtime</mark>

9. Which of the following statement is correct about below code?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          do {
4.              System.out.println(100);
5.          } while (true);
6.
7.          System.out.println("Bye");
8.      }
9.  }
```

    A. Compiles successfully and prints "Bye"
    B. Compiles successfully and prints 100 in infinite loop
    C. 100
       Bye
    D. <mark>Unreachable code compilation error</mark>

10. Consider below code:

```
1.  import java.util.ArrayList;
2.  import java.util.List;
3.
4.  public class Test {
5.      public static void main(String[] args) {
6.          StringBuilder sb = new StringBuilder("Hello");
7.          List<StringBuilder> list = new ArrayList<>();
8.          list.add(sb);
9.          list.add(new StringBuilder("Hello"));
10.         list.add(sb);
11.         sb.append("World!");
12.
13.         System.out.println(list);
14.     }
15. }
```

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

    A. [HelloWorld!, Hello,Hello]
    B. [HelloWorld!, HelloWorld!, HelloWorld!]
    C. [Hello,Hello,Hello]
    D. <mark>[HelloWorld!,Hello, HelloWorld!]</mark>