Unit II

1. The constructor of an enumeration is always private.
   a. No Constructor. b. Falsec. True d. None of these
2. Which of the following are not primitive data type?
   a. char b. enum c. float d. int
3. What does assert return if the assumption is correct?
   a. True b. False c. Some Boolean value. D. None of these
4. When does Exceptions in Java arises in code sequence?
   a. Compile time b. Any time c. Runtime d. None of these
5. Which of these is a super class of all errors and exceptions in the Java language?
   a. RuntimeException b. Catchable c. Throwable d. None of these.
6. What is the output of the code below?

```
public class Sample{
        public static void main(String[] args){
                try{
                        int i, sum;
                        sum = 10;
                        for (i = -1; i < 3 ;++i)
                                sum = (sum / i);
                }
                catch(ArithmeticException e){
                        System.out.print("0");
                }
                System.out.print(sum);
        }
}
```

   a. 0 b. 5 c. Compilation Error. D. Runtime Error.
7. What will happen when we compile and run the below code with assertion enabled?
   a. Code will compile, but throw AssertionError when executed.
   b. Code will compile and print Valid.
   c. Code will compile and print Invalid.
   d. None of these.
8. Remove odd man out:
   a. NullPointerException. b. ArrayIndexOutOfBound c. IOException d. AssertionError.
9. Attribute of an object includes information about?
   a. Behavior b. Method c. State d. None of these
10. What is the output?

```
public class Test {
   public static void main(String[] args) {
      try{
         System.out.printf("1");
         int val = 50 / 0;
      }
      catch(ArithmeticException e) {
         System.out.printf("2");
         System.exit(0);
```

```
        }
        finally{
           System.out.printf("3");
        }
        System.out.printf("4");
    }
}
```

a. 1234 b. 12 c.123 d.134