Guidelines: Answer the questions below by ticking the box next to the correct response(s) to each question. Be sure to check your answers to ensure that they are correct.

1. **What is a programming library?**
   Choose one answer.

   ☐ A. Any code that is temporary is referred to as library code
   ☐ B. A programming forum where experts can discuss solutions to common problems
   ☐ C. Code that can be purchased for additional functionality
   ☐ D. A collection of pre-written classes that are ready for use in any program

2. **In Java, what is a package?**
   Choose one answer.

   ☐ A. A group of related classes
   ☐ B. A package belongs to a class; a class may hold several packages
   ☐ C. A term used to describe a group of related methods
   ☐ D. A package belongs to a method; a method may hold several packages

3. **The code below is an example of:**

   ```
   double x = Math.round(34.54456456);
   ```

   Choose one answer.

   ☐ A. Concatenation
   ☐ B. A non-static method
   ☐ C. An instantiated method
   ☐ D. A static method

4. **The code below is an example of:**

   ```
   Date myDateObj = new Date(85,1,15);
   String myDate = myDateObj.toString();
   ```

   Choose one answer.

   ☐ A. A static method
   ☐ B. A non-static method
   ☐ C. Selection
   ☐ D. Concatenation

5. **What is the purpose of this line of code?**

   ```
   BufferedReader x = new BufferedReader(new InputStreamReader(System.in));
   ```

   Choose one answer.

   ☐ A. Import a stream reader into a project
   ☐ B. Creates a new BufferedReader object to store saved data
   ☐ C. Instantiates a BufferedReader object that can gather user input from the command-line
   ☐ D. Creates a duplicate of the BufferedReader object to retrieve lost data

6. When using this line of code in a program, which package must first be imported?

    ```
    BufferedReader x = new BufferedReader(new InputStreamReader(System.in));
    ```

    Choose one answer.

    ☐ A. import java.lang.*;
    ☐ B. import java.io.*;
    ☐ C. import java.util.*;
    ☐ D. import java.text.*;

7. What is the purpose of the [readLine()] method?
    Choose one answer.

    ☐ A. To wait for and read a text response entered into the command-line by the user
    ☐ B. To read multiple lines simultaneously from the command-line
    ☐ C. To output text to the command-line
    ☐ D. To change the default input method used in the command-line

8. What is the purpose of the [try/catch] technique?
    Choose one answer.

    ☐ A. To 'try and catch' a text entry from a user
    ☐ B. Try/catch is another selection technique (like IF statements) used to provide alternative paths
    ☐ C. Try/catch is used to concatenate answers together
    ☐ D. To catch any unexpected errors that may occur during the run-time of a program

9. What is the value of the myDouble variable?

    ```
    String myNumber = 3.44;
    double myDouble;
    myDouble = Double.parseDouble(myNumber);
    ```

    Choose at least one answer.

    ☐ A. 3
    ☐ B. 6.88
    ☐ C. No value
    ☐ D. 3.44

10. What would be the output of this statement if the user entered the value 50.54?

```java
String myNumber = null;
int newNumber;
BufferedReader x = new BufferedReader(new InputStreamReader(System.in));
System.out.println("Enter a number:");
try{
        myNumber = x.readLine();
}catch(IOException e){
System.out.println("Error Encountered");
}
newNumber = Integer.parseInt(myNumber);
System.out.println(newNumber + " + 25 = " + (newNumber + 25));
```

Choose one answer.

☐ A. 50 + 25 = 75.54
☐ B. Error Encountered
☐ C. 50 + 25 = 75
☐ D. 50.54 + 25 = 75.54

11. What would be the output of this statement if the user entered the value 'hello'?

```java
String myNumber = null;
int newNumber;
BufferedReader x = new BufferedReader(new InputStreamReader(System.in));
System.out.println("Enter a number:");
try{
        myNumber = x.readLine();
}catch(IOException e){
        System.out.println("Error: " + e);
}
newNumber = Integer.parseInt(myNumber);
System.out.println(newNumber + " + 25 = " + (newNumber + 25));
```

Choose one answer.

☐ A. Error Encountered
☐ B. hello + 25 = hello
☐ C. hello
☐ D. hello + hello = hello