

Total Score:

## Introduction to Programming - Quiz 1

Name : \_\_\_\_\_ (\_\_\_\_)

Answer ALL questions

Group : HD \_\_\_\_\_ (2008/09)

### Section A (50 marks) Each question carries 5 marks

Circle the correct answer:

1. What does the following code fragment print?

```
int x = 1, y = 2, z = 3;
System.out.print("The calculation is " + "(x + y) + " + z);
```

- A. The calculation is 6
- B. The calculation is 3z
- C. The calculation is 3+3
- D. The calculation is (x + y) + 3**

2. Determine which of the following is **NOT** a valid variable name in Java?

- A. is\_Digit
- B. 7peter**
- C. Main
- D. \$money\$

3. If  $x = 6$ ,  $y = 3$ , evaluate the expression  $--x + y++$ .

- A. 7
- B. 8**
- C. 9
- D. 10

4. Evaluate the expression  $((\text{double})(26 \% 7 - 1 * 2) / 4)$

- A. 0.0
- C. 0.75**
- B. 1.0
- D. 2.0

5. Which statement below **CANNOT** print 2009 in the console?

- A. `System.out.print("2000"+9);`**
- B. `System.out.print("200"+"9");`
- C. `System.out.print(2000+9);`
- D. `System.out.print(200+"9");`

6. Which symbol should be used to create a single-line comment ?

- A. A forward slash and a star (`/*`).
- B. A backslash and a star (`\*`)**
- C. Two forward slashes (`//`).**
- D. Two backslashes (`\\`).

7. Which of the following method is used to display a dialog box to let users to input data?

- A. `show MessageDialog`

B. `InputDialog`

**C. `showInputDialog`**

D. `getInput`

8. Which statement would display the phrase "Java is fun" ?

**A. `System.out.println("\Java is fun\");`**

B. `System.out.println("\Java is fun\");`

C. `System.out.println("hello is fun\rJava");`

D. `System.out.println("\Java is fun\");`

9. Which declaration is valid for declaring the main method?

A. `public static void Main (String arg [])`

B. `public static main void (String args [])`

C. `public static void Main (string arg [])`

**D. `public static void main (String args [])`**

10.

```
int c = 5;
System.out.print(c + " ");
System.out.print(c++ + " ");
System.out.print(c + " ");
System.out.println();
```

```
c = 5;
System.out.print(c + " ");
System.out.print(++c + " ");
System.out.print(c + " ");
```

What is the output would you expect by running the above statements?

A. 5 6 6

5 5 6

**B. 5 5 6**

**5 6 6**

C. 5 6 7

5 6 7

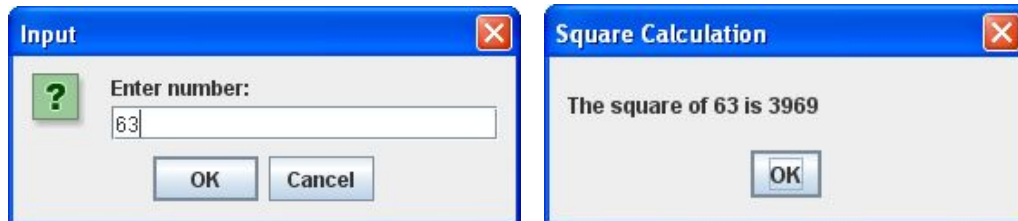
D. 5 5 5

5 5 5

## Section B (50 marks)

### Question 1

Debug the following program in the spaced provided:



5 marks	<code>import javax.swing.JOptionPane;</code>
5 marks	<code>public class Calculate {</code>
5 marks	<code>public static void main (String arg[]){</code>
5 marks	<code>String string; //declare a variable called string to store user input</code>
5 marks	<code>int number, square; //declare 2 variable called number and square</code>
5 marks	<code>string = JOptionPane.showInputDialog("Enter number: ");</code>
5 marks	<code>number = Integer.parseInt(string); //convert string to number</code>
5 marks	<code>square = number * number;</code>
5 marks	<code>JOptionPane.showMessageDialog(null,</code>
5 marks	<code>    "The square of " + string + " is " + square, "Square Calculation",</code>
5 marks	<code>    JOptionPane.PLAIN_MESSAGE);</code>
	<code>System.exit(0); //terminate application</code>
	<code>}</code>
	<code>}</code>

\*\*\* THE END \*\*\*