

## Class VIII

### Computer - Ch - 5 - Programming In Java And BlueJ

#### Book work pg 83,84

#### Fill in the blanks.

1. Java is a **programming** language which programs simple tasks by defining the data the tasks manipulate.
2. Java was developed by **James Gosling**.
3. Java **Application Programming Interface** is used to input and output, create a GUI or create a network connection.
4. **JVM** is used to interpret bytecode before it's run by the computer.
5. Each statement in Java is terminated by a **Semi-colon**.

#### True or False.

1. Every Java statement must end in a Semi-colon. **True**
2. A class is defined within an object. **False**
3. Java was developed by Oracle. **False**
4. Java Virtual Machine is a hardware where the Java API is installed. **True**
5. Java uses automatic memory management. **True**

#### Tick the correct option.

1. Which is a bytecode?

Ans. Compiled code

2. A multi-thread programming language can \_\_\_\_.

Ans. Program the CPU to handle more than one task at one time.

3. A robust programming language is one which \_\_\_\_.

Ans. Uses strongly typed data, uses automatic memory management, can do garbage collection and has an exception handling mechanism.

4. Define a line comment.

Ans. It is a line explaining code that the compiler ignores when creating bytecode.

## Class VIII

### Computer

#### Lesson - 6 - Decision Control In Java

##### A. Fill in the blanks.

1. Integer data types cannot be **an unsigned data types**.
2. **String** data type is an object and must take a literal enclosed in quotes.
3. Single letter, number or symbol enclosed in single quotes is a **char data type**.
4. **Conditional operator** are useful for performing a decision-making test in a program.
5. Char data types are based on the **Unicode** scheme.

##### B. State true or false.

1. Literals are a type of variable which can take only image data types. **False**
2. Char is the only unsigned data type in Java. **True**
3. Boolean data type is capable of taking either one or both of the values ON and OFF. **True**.
4. There are only four types of arithmetic operators, excluding the modulo. **True**
5. There are four types of operators arithmetic, assignment, relational and conditional. **True**

##### C. Tick the correct option.

1. The memory size of int data is \_\_\_\_ .

Ans. **4 bytes**

2. Chara cannot store \_\_\_\_ .

Ans. **Images**

3. Strings cannot store \_\_\_\_ .

Ans. **Images.**