ORANGE

WORKSHEET ②

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

COMPUTER APPLICATIONS

Ver. 2.0 ➤

CLASS 9

INTRODUCTION TO JAVA

Chapter-2

A. Tick (✓) the correct option.

1. What does the Java compiler convert source code into?

   a. Machine code ☐   b. Assembly code ☐

   c. Bytecode ☐   d. HTML ☐

2. What is the purpose of the BlueJ IDE?

   a. To compile Java programs only ☐

   b. To run web-based Java programs ☐

   c. To help beginners learn Java programming ☐

   d. To replace the Java Virtual Machine ☐

B. Fill in the Blanks

1. Java was developed at .... Microsystems.
2. The process of converting Java bytecode to machine code is done by ....
3. Java uses .... to improve security.
4. The first stable Java release was in ....

C. Match the Following

Column A	Column B
1. Java Compiler	i. Removes unused objects from memory
2. Java Virtual Machine	ii. Converts bytecode to machine code at runtime
3. Garbage Collector	iii. Executes Java bytecode
4. JIT Compiler	iv. Converts Java code to bytecode

D. Short Questions

1. What are the main advantages of Java?
2. Why is Java called an object-oriented language?

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____