Worksheet

Name: ....

Roll No: .... Class: .... Section: ....

Date: ....

INTRODUCTION TO PYTHON

A. Answer the following questions in one or two words.

1. What is a collection of heterogeneous data arranged in a sequence known as? ....

2. Which function is used to add a single element with the given value at the end of the list? ....

3. Which loop is used to repeat a set of instructions as long as the condition is true? ....

4. Which statement is used to handle multiple conditions in a program? ....

5. Which kind of error is difficult to find since the program will run correctly but the desired output is not achieved? ....

B. Match the following.

1.	Arithmetic operators	a.	Compare the value on both sides of the operator
2.	Relational operator	b.	Used to combine one or more conditional statements
3.	Logical operators	c.	Used to perform mathematical operations
4.	Assignment operator	d.	Take the value of the operand on the right side, perform an operation and assign the result to the operand on the left
5.	Augmented assignment operator	e.	Used to assign a value to a variable or a constant.

C. Long answer type questions.

1. What is the difference between relational and logical operators? Explain in detail with the help of an example.

2. What is the difference between for loop and while loop? Explain with the help of an example.

3. Write a Python code for the following:

   a. Input Salary and Years of Service. If the number of years is more than 5 then give an extra bonus of 15%. Display the net salary after adding the bonus.

   b. Swap the values of two variables using third variable.

   c. Create a list with heterogeneous values and print the values which are only integer.

Class -9   Part B

Grade: ⭐ ⭐ ⭐ ⭐ ⭐

Teacher's Signature: ....