

**ANNAI VIOLET ARTS AND SCIENCE COLLEGE**

**DEPARTMENT OF Computer Science**

**CONTINUOUS INTERNAL ASSESSMENT – I (ODD SEM.)**

**SUBJECT: PROGRAMMING IN PYTHON**

**Class: III B.Sc. Maths**

**Date: 07.09.2022-AN**

**Max.Marks: 50**

**Sub.Code: PYTHON**

**PART A (5 × 2 = 10 Marks)**

**Answer any FIVE questions**

1. Write down the key features of Python?
2. Illustrate the difference between list and tuples in Python?
3. What are the operators used in Python?
4. Define break statement with example.
5. Write down the syntax for FOR loop?
6. Explain the uses of while loop in Python with example.
7. Define a function.

**PART B – (2 × 5 = 10 Marks)**

**Answer any TWO questions**

8. Write the python program to calculate the  
Sum the series:  $1/1+22/2+32/3+\dots+n2/n$
9. Explain if...elif loop with example.
10. Difference between break, Continue and pass with syntax.

**PART C – (3 × 10 = 30 Marks)**

**Answer ALL questions**

11. Detailed about data type in python with syntax.
12. Explain about the Loops in python with example.
13. Brief different types of function in python.

**Prepared by**

**Mrs.R.NAGALAKSHMI  
Asst.Prof. & B.Sc. (CS)**