

ANNAI VIOLET ARTS AND SCIENCE COLLEGE
DEPARTMENT OF COMPUTER SCIENCE

CONTINUOUS INTERNAL ASSESSMENT – II (ODD SEM.)
SUBJECT: Problem Solving Using Python

Class : I B.Sc (CS)
Max.Marks :75

Date : 1.11.22
Sub. Code: SE21A

PART A ($10 \times 2 = 20$ Marks)
Answer any TEN questions

1. What are the limits of computational problem solving?
2. What is binary representation?
3. What is an IDE?
4. What is control structure?
5. What is infinite loop?
6. What is Boolean flag?
7. What is an algorithm?
8. What is python standard library?
9. List the three fundamental forms of control in programming.
10. What is iterative control statement?
11. Name the operations performed on list.
12. What is a program routine?

PART B – ($5 \times 5 = 25$ Marks)
Answer any FIVE questions

13. Explain the basic arithmetic operation in python with example.
14. Explain the selection control statement with a program example.
15. Compare definite and in-definite loops in python.
16. Explain the calling Value-Returning function.
17. Explain the non-value returning function in Python.
18. Explain the while statement in Python with example.
19. Write a Python program to display the first n terms of Fibonacci Series

PART C – ($3 \times 10 = 30$ Marks)
Answer ANY THREE questions

20. Explain operators and its expressions
With examples.
21. Describe in detail iterating over list in python.
22. Write a python program to find factorial of the given number using recursive function.
23. Write a Python program to display the number of days in a given month.
24. Describe the concept of parameter passing in Python.