SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.C.A. END SEMESTER EXAMINATIONS APRIL-2023
SEMESTER - III
20UCACT3003 - Python Programming

Total Duration : 2 Hrs 30 Mins.   Total Marks : 60

Section B

Answer any SIX questions $(6 \times 5 = 30$ Marks$)$

1. Indicate different modes of Python programming. Explain with examples.

2. With a flow diagram and program, describe the concept of a while statement.

3. Classify file-handling operations in Python.

4. Prepare a simple program using matplotlib package.

5. Apply the concept of any five math functions in a program.

6. Take five string values and compute the reverse order of the same.

7. Write the steps to convert a List to a Tuple.

8. Associate tkinter in Python programming.

Section C

Answer any THREE questions $(3 \times 10 = 30$ Marks$)$

9. List various types of operators in Python and develop a program to find the smallest of three numbers.

10. Relate recursion using conditional concept in Python program.

11. Strings are immutable and Lists are mutable. Justify using examples.

12. Prepare a Python code for inheritance concept.

13. Evaluate the built-in function using numpy and pandas packages with assumed values.

*****