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.Sc. Comp Sci - END SEMESTER EXAMINATIONS APRIL - 2024
SEMESTER - II
23UCSCT2003 - Programming Using Python

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

Section B

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

1. Mention the Data types in Python with example.

2. Describe the Set Comprehension with suitable example.

3. Define the following list methods in short
   (a) append()
   (b) count()
   (c) pop()
   (d) reverse()
   (e) sort()

4. How to create and call a function in python.

5. Sketch the conversion of List comprehension to Tuple with an example.

6. Write a python program to compute the generation of prime numbers.

7. Explain the recursive function in Python.

8. Discriminate the abstract classes using an example.

Section C

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

9. Explain the string operations in Python with examples.

10. Apply the Tuple operations and Tuple Comprehension in Python using an example.

11. Examine the Types of Arguments using functions.

12. Prepare an example program using packages in Python.

13. Determine the Exception Handling mechanism in Python.

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