

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.

BCA END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - III

20UACT3003 - Python Programming

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. List the standard data types in python. Give some examples.
2. Differentiate between expression and statement in python.
3. How to declare call functions in Python programs?
Illustrate with an example script.
4. Describe the purpose and importance of math functions in python.
5. What are the different loop control statements available in Python? Explain with suitable examples.
6. Write a Python program that prints the intersection of two lists.
7. Describe how tuple assignments work in Python.
8. Briefly discuss about other GUI modules in python.

Section C

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

9. Discuss on Operators in detail with example.
10. Define the terms "parameter" and "argument" in the context of functions and Discuss how parameters are declared and used in Python functions with example.
11. Explain the concept of string immutability in Python and why it's important. Give an detailed example of string slices and string methods.
12. Discuss the fundamental concepts of classes and methods in object-oriented programming. Explain about inheritance with example.
13. Discuss about following Widgets in Tkinter
A) Button B) Check button C) Radio button D) Scale E) Top Level

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