

Roll.No.

21UCGCT6011

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.Cs with CGS - END SEMESTER EXAMINATIONS - NOVEMBER 2025  
SEMESTER - VI

**21UCGCT6011 - Python Programming and Data Structure**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### Section B

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

1. Compare Interpreter with Compiler.
2. Predict the Rules to create the Identifiers in Python.
3. List and explain Operators in Python.
4. Explain Recursive Function in Python Programming.
5. List the Operations of Dictionaries in Python.
6. Describe the concept of Array.
7. Prepare the steps to perform Binary Search
8. Infer the basic terminologies of a Trees and Graphs

### Section C

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

9. Predict the Value and Data Types in Python Programming.
10. Classify the Python Conditional Statements.
11. Compare List with Tuple Types in Python.
12. Describe the Implementation of Stack.
13. Ascertain the steps to perform Quick Sort.

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