

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.CSc.(AI) - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - II

22UAICT2002 - Problem Solving Using Python

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. What is a computational problem solving?
2. Explain the various types of literals with example.
3. Prepare a note on infinite loops in python.
4. Illustrate the concept of "If statement" in Python.
5. Define the calling value returning functions in Python with suitable example.
6. Apply "default arguments" usage in Python.
7. Show the Python code to implement the Fundamental Turtle attributes.
8. Examine your views about Dictionary and Set data type in Python.

Section C

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

9. Elucidate the term "Algorithm" and write the Day of the Week algorithm.
10. Compare and contrast between list and tuples in Python with examples.
11. Justify the closer look at 'Parameter Passing' in Python.
12. Write a Python snippet to open and read the contents of the File.
13. Evaluate the working style of Inheritance and Polymorphism in Python.
