

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.(AI) - END SEMESTER EXAMINATIONS APRIL-2023

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. Define algorithm. Explain in detail about the building blocks of algorithm.
2. Explain briefly constant, variables, expression, keywords and statements available in python.
3. Explain the iteration statement with example.
4. Discuss the function arguments in python.
5. Elucidate local variables and global variables in Python.
6. Describe the different types of Exceptions in Python.
7. Solve to create and import modules in python.
8. Explain Inheritance and Encapsulation with example.

Section C

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

9. Write short notes on types of operators in python with appropriate example.
10. Explain If, El, if and Else statements with example.
11. Describe the function prototypes.
12. Explain in detail about Python Files, its types, functions and operations that can be performed on files with examples.
13. Define Dictionary. Explain Python dictionaries in detail discussing its operations and methods.
