

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 AI - END SEMESTER EXAMINATIONS APRIL - 2024

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. Explain the data types in python.
2. Develop a program to find the largest among given 3 numbers using conditional statements.
3. Create a function that can accept two arguments name and age and print he/she eligible to vote.
4. Write a turtle graphics-based python program to draw 3 different shapes.
5. How do you use del method in dictionary? Give an example.
6. Explain Indexing and slicing operation for the list with example in python.
7. Explain about the import statement in modules.
8. Is Python an object-oriented programming language? Justify your answer.

Section C

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

9. Write a python program to perform addition, subtraction, multiplication, division, floor division, modulo division on integer variables.
10. Explain in detail about control flow structures in python with example.
11. Narrate the scope of variable in a function with examples.
12. Illustrate the various attributes of turtle graphics in python with necessary example code snippet.
13. Explain in detail about python list and dictionary with necessary examples.
