

Roll.No.

21UCGCT1001

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 - I

21UCGCT1001- Operating Systems

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Describe the Services provided by the Operating System.
2. Explain the Operations of an Operating System.
3. Predict the Operations on Processes.
4. Illustrate the concept of Threads in OS.
5. Explain the Non-Contiguous Allocation in Memory Management.
6. Predict the Objectives of Virtual Memory
7. Infer – How Free Spaces are Management by the Operating System?
8. Discuss about User Authentication.

Section C

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

9. Explain the Types of System Calls.
10. Compare FCFS with Round Robin Scheduling.
11. Ascertain the Methods for Handling Deadlocks
12. Prepare the steps used in the Page Replacement Algorithm.
13. Assess File Concept and its Access Methods.
