

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. END SEMESTER EXAMINATIONS NOVEMBER-2022

SEMESTER - I

21UCGCT1001 - Operating Systems

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

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

1. What is Operating System? Explain the different views of Operating system.
2. Explain process control block.
3. What are the different types of Threading models?
4. Explain round robin scheduling algorithm.
5. Describe the characterization of Deadlock.
6. How to handle the page fault?
7. Define the different types of file access methods.
8. Define the Malware, virus and worms

Section B

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

9. Explain the architecture of computer system with neat diagram.
10. Define Semaphore. How to implement Semaphore?
11. How the memory can be managed using paging technique.
12. Explain any two of the page replacement algorithms.
13. Explain the structure of directory.
