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.CGS - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - I
21UCGCT1001 - Operating System

Total Duration : 2 Hrs.30 Mins.   Total Marks : 60

Section B

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

1. Describe system view and user view in operating system.

2. Explain Banker's algorithm in detail.

3. Classify the different forms of paging .

4. Explain two level and tree level directory structure.

5. Illustrate Shortest job first scheduling algorithm .

6. Classify the swapping system and explain in detail about the swapping on mobile system.

7. Describe in detail about Thrashing .

8. Examine the security problem in OS.

Section C

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

9. Explain in detail about the generations of operating system.

10. Round robin scheduling algorithm.

11. Differentiate between contiguous and non-contiguous memory allocation.

12. Classify the various page replacement algorithm and explain about LRU page replacement in detail.

13. Examine in detail about File access methods.

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