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.
M.Sc. Comp Sci- END SEMESTER EXAMINATIONS APRIL - 2024
SEMESTER - III
20PCSCT3007 - Modern Operating System

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

Section B

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

1. Elaborate the multiprocessor operating system with example.

2. Inculcate network services and protocol.

3. Analyse the global scheduling algorithm.

4. Describe about controlling access to resources.

5. Show the techniques for efficient virtualization.

6. Explain low level communication software.

7. Analyse system-based middleware.

8. Explain the process of migration and threads.

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks)

9. Explain multicomputer scheduling with example.

10. Distinguish document-based middleware and file-system based middleware.

11. Compute on load balancing along with its sharing approach.

12. Evaluate formal models of secured systems.

II - Compulsory question $(1 \times 10 = 10$ Marks)

13. Demonstrate the virtual machines on multicore CPUs.

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