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. - END SEMESTER EXAMINATIONS NOVEMBER - 2022
SEMESTER - III
20PCSCT3007 - Modern Operating System

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

Section A

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

1. Explain the working principles of NUMA Multiprocessors.
2. Determine document based middleware with diagram.
3. Compute Graph-Theoretic Deterministic Algorithm with example.
4. Illustrate the role of ethernet in distributed system.
5. Describe process migration with diagram.
6. Classify different techniques of threats.
7. Interpret access control list with example.
8. Differentiate type 1 and type 2 hypervisor.

Section B

Part A

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

9. Explain object based middleware with diagram.
10. Distinguish load balancing and sharing approach.
11. Examine the working principles of biometric authentication system.
12. Evaluate the role of cloud computing in virtualization.

Part B

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

13. Examine the characteristics of remote procedure call.

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