SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P CSS2 C07 - OPERATING SYSTEM CONCEPTS

(Computer Science)

(2019 Admission onwards)

Time : 3 Hours   Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Show five state model.

2. Summarize deadlock prevention concept.

3. Illustrate contiguous memory allocation.

4. Demonstrate the concept of thrashing.

5. Demonstrate premptive and non premptive scheduling.

6. Discuss concept of clusters in mobile OS.

7. Describe Mobile Operating Systems.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Show the different types of operating system.

9. Show Linux Process and Thread Management.

10. Explain the difficulties in concurrent processing.

11. Interpret Unix Concurrency Mechanisms.

12. Demonstrate Memory Management in Windows OS.

13. Illustrate Thread Scheduling concept.

14. Discuss three-tier architecture.

(4×3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Show different thread states and also explain five state model.

16. Describe semaphores and monitors.

17. Illustrate paging with the help of TLB.

18. Illustrate Priority Inversion concept.

(2 × 5 = 10 Weightage)

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