SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020
(CUCSS - PG)
CC19P CSS2 C07 - OPERATING SYSTEM CONCEPTS
(Computer Science)
(2019 Admissions - Regular)

Time: Three Hours   Maximum: 30 Weightage

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

1. What is the difference between internal and external fragmentation?

2. Explain best fit and first fit algorithms for memory allocation.

3. Explain the thread states.

4. Explain thread scheduling.

5. Explain trashing.

6. How does client/server differ from other distributed processing solution.

7. Explain objectives and functions of Operating Systems.

(4 x 2 = 8 Weightage)

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

8. Explain (a) readers writers problem (b) Dining Philosopher's problem.

9. Write a short note on mobile operating systems and compare IOS and Android.

10. Discuss client/server architecture.

11. Explain page replacement algorithms.

12. Explain major achievements of Operating System

13. Explain Producer- Consumer problem.

14. Explain process control.

(4 x 3 = 12 Weightage)

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

15. Explain any four scheduling algorithms.

16. Explain any four page replacement technique with suitable examples.

17. Discuss deadlock Detection and Recovery.

18. Explain process Description and Control.

(2 x 5 = 10 Weightage)

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