B.Sc DEGREE EXAMINATION,APRIL 2019
III Year V Semester
Operating Systems

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. Define Operating System.
2. Define Process.
3. What is Semaphore?
4. Define Dead Lock.
5. What is Swapping?
6. Define Logical and Physical Address.
7. What is Pure Demand Paging?
8. Define Virtual Memory.
9. What do you Mean Consistency Semantics?
10. Define Threats.
11. What is Dynamic Loading?
12. Define Protection.

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Describe System structure.
14. Write a note on Critical Region.
15. Explain Fragmentations with example.
16. Write about Thrashing.
17. What is User Authentication? Explain.
18. What do you meant by Multithreading? Explain.
19. What are the Characteristics of Dead Lock?

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Explain CPU Scheduling Algorithms with merits and Demerits.
21. Explain Dead Lock Avoidance in detail.
22. Explain Paging concept in detail.
23. Explain Page Replacement Algorithms with example.
24. Explain File Allocation Methods in detail.

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