# B.C.A DEGREE EXAMINATION,NOVEMBER 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. What do you mean by distributed system?
2. Mention the states of a process.
3. Define Deadlock.
4. What is 'critical section' in a process?
5. Define paying.
6. What is Dynamic loading?
7. What is thrashing?
8. Mention the file attributes.
9. What is a bus?
10. What are the four levels in security measures?
11. What is external fragmentation?
12. Define frames.

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

Answer any **FIVE** questions

13. Explain the Operating system services?
14. How will you implement semaphores? Explain.
15. Explain Segmentation in detail.
16. Explain indexed allocation?
17. Write a note on System threats.
18. What are the File access methods, Explain.
19. Explain PCB with diagram?

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

Answer any **THREE** questions

20. Discuss about FIFO, Shortest job First and Round Robin scheduling algorithms in detail.
21. Explain Deadlock avoidance briefly?
22. Write short notes on structure of the page table.
23. Discuss about page replacement algorithms.
24. Explain Access matrix in detail?

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