

THREE YEAR BCAS (CBCS) DEGREE EXAMINATION, APRIL 2018

SECOND SEMESTER

OPERATING SYSTEMS

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer any FIVE of the following questions.

(Marks : 5 × 5 marks = 25 marks)

1. What are the advantages of operating systems?
2. What is a process? Explain process states.
3. Explain in detail about distributed operating system.
4. Define swapping.
5. Define segmentation with paging.
6. What is a file?
7. What is a page table?
8. Why does deadlock occur?
9. Explain about deadlock avoidance.
10. What is a thread?

SECTION - B

Answer any FIVE of the following questions.

(Marks : 5 × 10 marks = 50 marks)

11. Explain about evolution of operating systems.
12. Write about the functions of an operating system.
13. Explain about process control block.
14. Explain about memory management and virtual memory.
15. What is paging? Explain the structure of a page table.
16. Explain about file system interface.

17. Explain about disk structure.
 18. What is deadlock prevention and deadlock avoidance?
 19. Explain the process of recovery from deadlock.
 20. Explain the methods for handling deadlock.
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