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BCA (Part-III) Examination, 2022

COMPUTER OPERATING SYSTEM

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Passing Marks : 33

Note: Attempt **any five** questions. **One** question from each unit is **compulsory**. All questions carry **equal** marks.

Unit-I

1. Explain different types of OS in detail. [20]

2. Explain different function related to operating system in detail. [20]

Unit-II

3. Explain the following : [20]

(a) FCFS CPU scheduling

(b) SJF CPU scheduling

4. What do you mean by process? Explain process state diagram in detail. [20]

Unit-III

5. Write short notes on the following : [20]

(a) Virtual Memory

(b) Paging

(c) Demand Paging

(d) Page Replacement

6. Explain any four disk scheduling algorithm in detail.[20]

Unit-IV

7. What is Directory? Explain different types of directory in detail. [20]

8. Write short notes on the following : [20]

(a) Device driver

(b) File Accessing method

Unit-V

9. What is Deadlock? Explain deadlock prevention. [20]

10. Write short notes on the following : [20]

(a) Deadlock avoidance

(b) Deadlock recovery

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