



ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆

PREFINAL- II SEMESTER EXAMINATIONS

BCA - OPERATING SYSTEM

Max. Marks : 75 M

Time : 3 Hours

Date: 24.03.2020

SECTION - A

Answer any THREE Questions:

5X5= 25M

1. What is Operating System and explain its Functions Briefly?
2. Explain the process State diagram?
3. What is Context Switching?
4. Explain the concept of File sharing?
5. What is Deadlock?
6. What is Semaphore?
7. Explain the concept of Fragmentation?
8. What is Virtual memory?

SECTION - B

Answer the following Questions:

5X10= 50M

9. a) Explain types of operating system?

OR

- b) Explain the Services of Operating System?

10. a) Explain classical problems of Synchronization?

OR

- b) Explain FCFS and SJF Scheduling Algorithms?

11. a) Explain the concept of paging with Example

OR

- b) Explain FIFO page replacement algorithm with example?

12. a) Explain File Access methods?

OR

- b) Explain the FCFS Disk Scheduling with Example?

13. a) Explain briefly the concept of Deadlock Avoidance with example?

OR

- b) Explain Deadlock Prevention methods?

ADC, KKD