



Date: . 2025

# ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆  
I MID - IV SEMESTER EXAMINATIONS  
BCA - OPERATING SYSTEMS

Max. Marks : 60 M  
Time : 2 Hours

## SECTION - A

Answer any FOUR Questions:

4 X 5 = 20 M

1. Explain user os interface.
2. Overview of UNIX operating system.
3. History and evolution of os.
4. Basic features of UNIX os.
5. Explain about characteristics of Process or process Control Block (PCB)
6. Explain about categories of scheduling ?
7. What is queue ? Types of queues ?
8. Define Arrival Time, Burust Time, Throughput, Waiting Time, Turnaround Time ?

## SECTION - B

Answer ALL the Questions:

4 X 10 = 40 M

9. a) What is operating system ? And explain basic os functions

OR

b) Explain about operating system structure in detail.

10. a) Explain what is system call types of system calls in detail.

OR

b) Explain about computer system Architecture in detail.

11. a) What is process and process management & Life cycle of a process in detail.

OR

b) Explain about different types of operations on process ?

12. a) What is scheduling and scheduler ? Write about different types of schedulers ?

OR

b) Explain about first come first seve (FCFS) algorithm with example of finding the average waiting time and average turn around time of a process ?

ASCS, KKD

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II BCA IV SEMESTER - Operating Systems