



ADITYA DEGREE COLLEGES

ANDHRA PRADESH

MID-I EXAMINATIONS 2025

Subject: BCA - Operating Systems

DATE:06.02.2025

TIME: 3 HRS

MAX MKS: 60 M

Answer Any Five from the following questions

5 x 4 =20M

1. Explain History and Evolution of OS
2. Briefly explain operating system structure
3. Explain user Operating System Interface
4. What are basic OS functions
5. What are scheduling criteria of a CPU scheduling
6. Explain priority Based scheduling Algorithm with example
7. Explain CPU scheduling in UNIX
8. What are basic features of UNIX Operating system

Answer All questions from the following

4 x 10 =40M

9. a)What are system calls. Explain different types of system calls

(OR)

- b) Explain the overview of UNIX operating system

- 10.a) What is Operating system? Explain the services of operating system

(OR)

- b)Explain communication in client-server systems

- 11.a)What is process? Explain operations on process

(OR)

- b) Explain Shortest Remaining Time(SRT) and Round Robin Scheduling Algorithms with example

- 12.a) Explain computer system Architecture

(OR)

- b) Explain first come first serve and shortest Job first scheduling algorithm with example