

1. YEAR/SEM : II YEAR II SEM

2. LAB CODE/NAME: CS408ES / OPERATING SYSTEMS LAB

3. LAB INCHARGE(Lab staff/Teacher): Ms.P.Saritha/Mrs.K.L.Haritha/Mrs.A.Swathi

4. Experiment list:

- Write C programs to simulate the following CPU scheduling
1. algorithms:
 - a) Round Robin
 - b) SJF
 - Write C programs to simulate the following CPU scheduling
 2. algorithms:
 - a) FCFS
 - b) Priority
 - Write C programs to simulate the following File organization
 3. techniques:
 - a) Single level directory
 - b) wo level
 - c) Hierarchical
 4. Write C programs to simulate the following File allocation methods:
 - b) Linke
 - a) Contiguous
 - d
 - c) Indexed
 5. Write a C program to copy the contents of one file to another using system calls.
 6. Write a C program to simulate Bankers Algorithm for Dead Lock Avoidance
 7. Write a C program to simulate Bankers Algorithm for Dead Lock Prevention
 - 8 . Write C programs to simulate the following page replacement algorithms:
 - a) FIFO
 - b) LRU
 - c) LFU
 9. Write C programs to simulate the following techniques of memory management:
 - a) Paging
 - b) Segmentation
 10. Write a C program to implement the ls | sort command. (Use unnamed Pipe)
 11. Write a C program to solve the Dining- Philosopher problem using semaphores.
 12. Write C programs to implement ipc between two unrelated processes using named pipe.

5.

EQUIPMENT	SPECIFICATIONS	PHOTOS
COMPUTER SYSTEM	RAM: 2GB HARD DISK: 500 GB PROCESSOR: DUALCORE @ 2.7 GHZ MOTHER BOARD: INTEL MONITOR: ACER -LED-19 INCHES KEYBOARD: ACER MOUSE: ACER (OPTICAL)	

PHOTOS:

