Certificate

Name:

Register No.:_____Class:_____Exam No :_____

College:_____

This is certified to be the bonafide work of the student in the

_____Laboratory during the academic year

20___/20___.

No. ofprogramscertified_____outof_____in the

subjectof_____.

Internal Examiner External Examiner

Head of the Department

OPERATING SYSTEMS

LAB RECORD

INDEX

S.NO.	NAME OF PROGRAM	PAGE NO.
01.	**a)Shell Programs** 1.Print multiplication tables of given no. using all loops. 2.Perform all arithmetic operations 3.Print the type of file…… 4.Rename all files whose names end with .c as .old 5.Display the no. of lines in each of text file in a given dir….	
02.	**a)AWK Programs** 1.Find the total…… 2.Findsales…… 3.Find department sales…… 4.Find the list of items…… 5.Find the larger value……	
03.	Demonstrate the usage of system calls-fork,wait,exec,exit	
04.	Write program using open,read,write,close system calls.	
05.	Simulate FCFS scheduling algorithm.	
06.	Simulate SJF scheduling algorithm.	
07.	Simulate SRTF scheduling algorithm.	
08.	Simulate Round Robin algorithm.	
09.	Simulate Priority Non Preemptive algorithm.	
10.	Simulate Priority Preemptive algorithm.	
11.	Simulate Worst Fit Contiguous Memory Allocation Technique.	

12.	Simulate Best Fit Contiguous Memory Allocation Technique.	
13.	Simulate First Fit Contiguous Memory Allocation Technique.	
14.	Simulate MVT technique.	
15.	Simulate MFT technique.	

Contd.)

	16.	Bankers Algorithm Safety Sequence.	
	17.	Bankers Algorithm Resource Request.	
	18.	Simulate Optimal Page Replacement Algorithm.	
	19.	Simulate LRU Page Replacement Algorithm.	
	20.	Simulate FIFO Page Replacement Algorithm.	
	21.	Simulate FCFS disk scheduling algorithm.	
	22.	Simulate SCAN disk scheduling algorithm.	
	23.	Simulate CSCAN disk scheduling algorithm.	
	24.	Simulate Producer Consumer Problem Using Semaphores.	
	25.	Simulate Dining Philosopher Problem Using Semaphores.	
	26.	Simulate Readers Writers Problem Using Semaphores.	
	27.	Simulate Sequential File Allocation Strategy.	
	28.	Simulate Indexed File Allocation Strategy.	
	29.	Simulate Linked File Allocation Strategy.	
	30a)	List of System Calls……	
	b)	List of Linux Commands……	