28/11/21 Page No.: Poractical No-2 Design an algorithm to write a C program for Disk scheduling algosithms to find seek time for the following publisher, Suppose that a disk drive has 5000 currently serving a request at cylinder 143 and perevious request was at affinder 125. the queue of pending suggest in FIFO is 86, 1470,913, 1774, 948, 1509, 1022 , 19. 1750, 130 stanting from the current head positions what is the total distance that the disk aum moves to starsfy all the pending sequest for each of the following disk scheduling algorithms a) FCFS OR SSTF b) SCAN OR LOOK. * Leaving objective: To leaven an understand disk schooluling algorithm using FCFS, SSTF, SCAN, OR LOOK algorithm. Theory: (1) Disk Scheduling Algorithms: Disk scheduling is done by operating systems to schedule I/O siequests assiring four the disk. Disk scheduling is also known as I/o scheduling. (11) FCFS disk scheduling algorithm: FCFS is the simplest disk scheduling XCELLENT algorithm. As the name suggest this algorithm entertains suggrests in the border they assive in the

LOOK algorithm.