

Dhaka University of Engineering & Technology, Gazipur
Department of Computer Science and Engineering

Course Title: Operating System Sessional

Course Code: CSE 3222

Lab 06: Implementation of Disk Scheduling Algorithms (SCAN and C-SCAN)

Objective: To understand and implement disk scheduling algorithms SCAN and C-SCAN using a given set of disk requests and initial head position.

Task 01: SCAN Disk Scheduling Algorithm

Disk Request Queue = {12, 34, 52, 14, 25, 68, 39}

Initial Head Position = 53

Disk Size = 0 to 90

QN1: Calculate the total number of head movements using SCAN algorithm.

Task 02: C-SCAN Disk Scheduling Algorithm

Disk Request Queue = {12, 34, 52, 14, 25, 68, 39}

Initial Head Position = 53

Disk Size = 0 to 90

QN2: Calculate the total number of head movements using C-SCAN algorithm.