CSCE 311 – Operating Systems
Quiz 5
10 points

Assigned: November 4th, 2020
Due: November 8th, 2020 at midnight

Assuming that there are 200 cylinders on an HDD. The current cylinder being read is 34. Further, assume that the head is moving in the direction from cylinder 0 -> 199. What will be the order of the following I/O requests to blocks on the following cylinders for the given algorithms?

14, 7, 40, 100, 147, 19, 33, 35, 189, 10

    a. (3pts) FCFS

    b. (3pts) SCAN

    c. (3pts) C-SCAN

(1pts) Which algorithm do you think was the best choice for this particular set of requests and why?