- 1. Consider the following disk configuration.
 - 512 bytes/sector
 - 96 sectors per track
 - 110 tracks per surface
 - 16 usable surfaces
 - rotation speed: 7200 rpm
- a) Calculate how much disk space (in sectors, tracks and surfaces) will be required to store 300,000 120-byte records. Ignore any file header record(s) and track indices, and assume that a record cannot span two sectors.
- b) What is the average rotational delay of the disk drive?
- c) What is the transfer time to read one sector?
- 2. Using SSTF, SCAN and C-SCAN, find the track access order for the following arrival sequence of disk track requests: 129, 110, 186, 147, 41, 10, 64, 120. Assume that the disk drive is now serving a request at track 100 and is moving in the direction of increasing track number.