# CSE321 Quiz 4

Marks:10 Time: 20 min

| ID: | Name: | Section: |
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1. Consider, in a disk average seek time is 10 ms, disk rotation 7200 rpm. There are 6 platters in the disk and both surfaces are being used. Platters have 256 tracks in each surface and 512 sectors in each track. Each sector can store 1 Mb data. Find out average access time for transferring 512 MB data. **[5]**
2. A file system uses UNIX inode data structure which contains 10 direct block addresses, 1 single indirect block, 2 double indirect blocks and 1 triple indirect block. Size of each block address is 4 Bytes. Find the size of each block if the maximum possible file size is 21.056 KBytes. **[5]**