BRAC University (Department of Computer Science and Engineering) CSE 321 (Operating Systems) for Spring 2025 Semester Quiz 4 (Set A)

| 40.1 | |
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| Student ID: Section: Name: | Full Marks: 20 Duration: 20 minutes |
| 1. What is the drawback of data journaling? How can we solve this problem | m? Name the solution 3 |
| 2. Write the consequences of the given scenarios while adding a data blocka. Just the inode written to the disk, not the data bitmap and d | · · |

b. Just the data bitmap and data block are written to the disk, not the inode

| 3. Write the operations performed in metadata journaling. |
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| 4. A file system has inode size = 512B and block size = 4KB. First 3 blocks contain superblock, |
| data bitmap and inode bitmap. Now calculate the address of the inode number 13. The disk is |
| sector addressable and each sector is of 512 B. Find out the sector address of the inode. |