CS2006 – Operating System

Fall 2023

ID: _____   Name: _____

Quiz # 4   **Marks:**   10

Date: _____

1. **Explain Thrashing.**

    Thrashing occurs when a computer's virtual memory resources are overused, leading to a constant state of paging and page faults. At this time, page faults and swapping happens so frequently and at very high rate that the operating system has to spend more time swapping these pages in and out, inhibiting most application-level processing. It causes the performance of the computer to degrade or collapse. The situation can continue indefinitely until the user closes some running applications or the active processes free up additional virtual memory resources.