



Sahi Prep Hai Toh Life Set Hai

Topic Title







Content:-

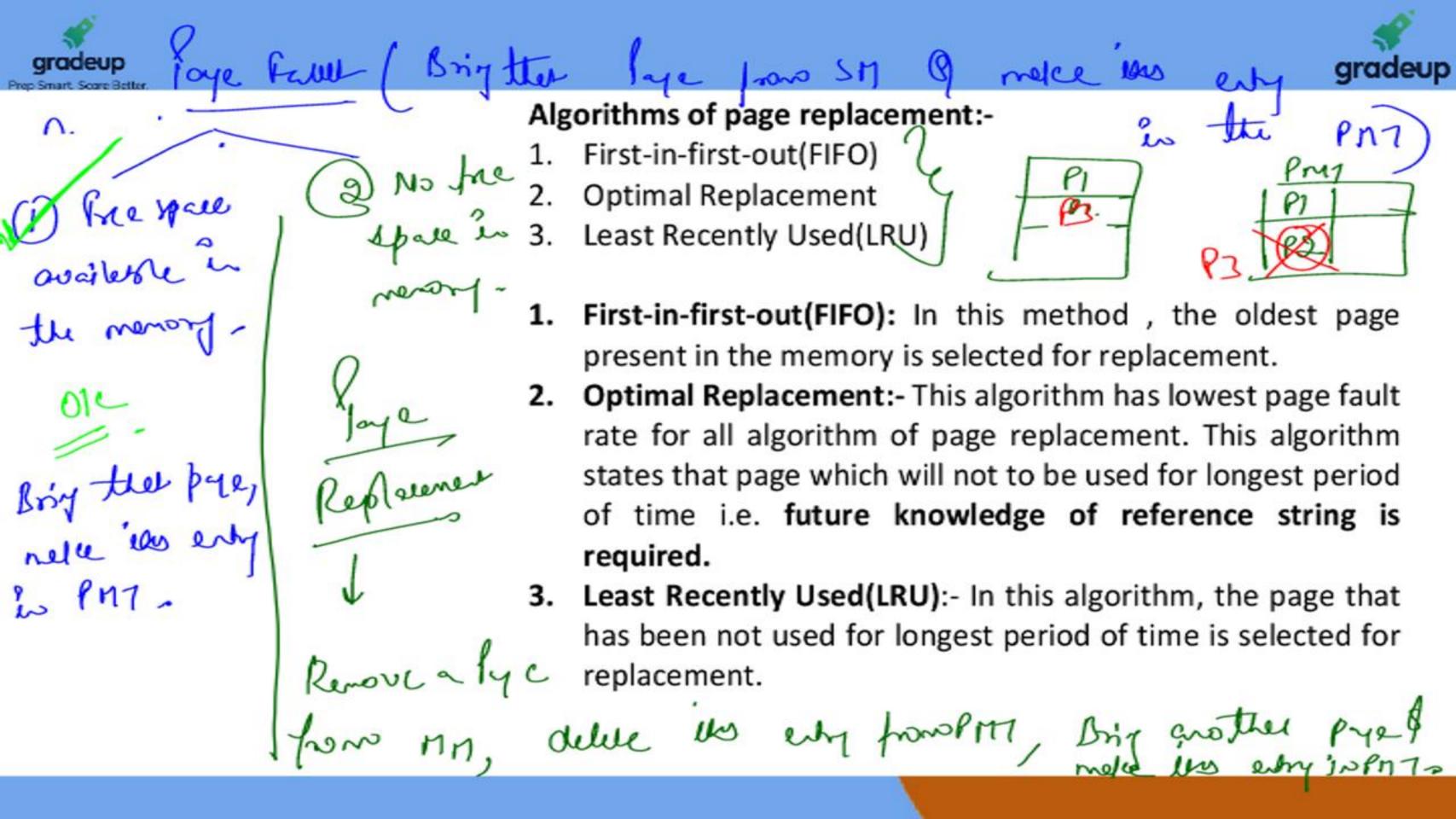
1. Page Replacement Algorithm

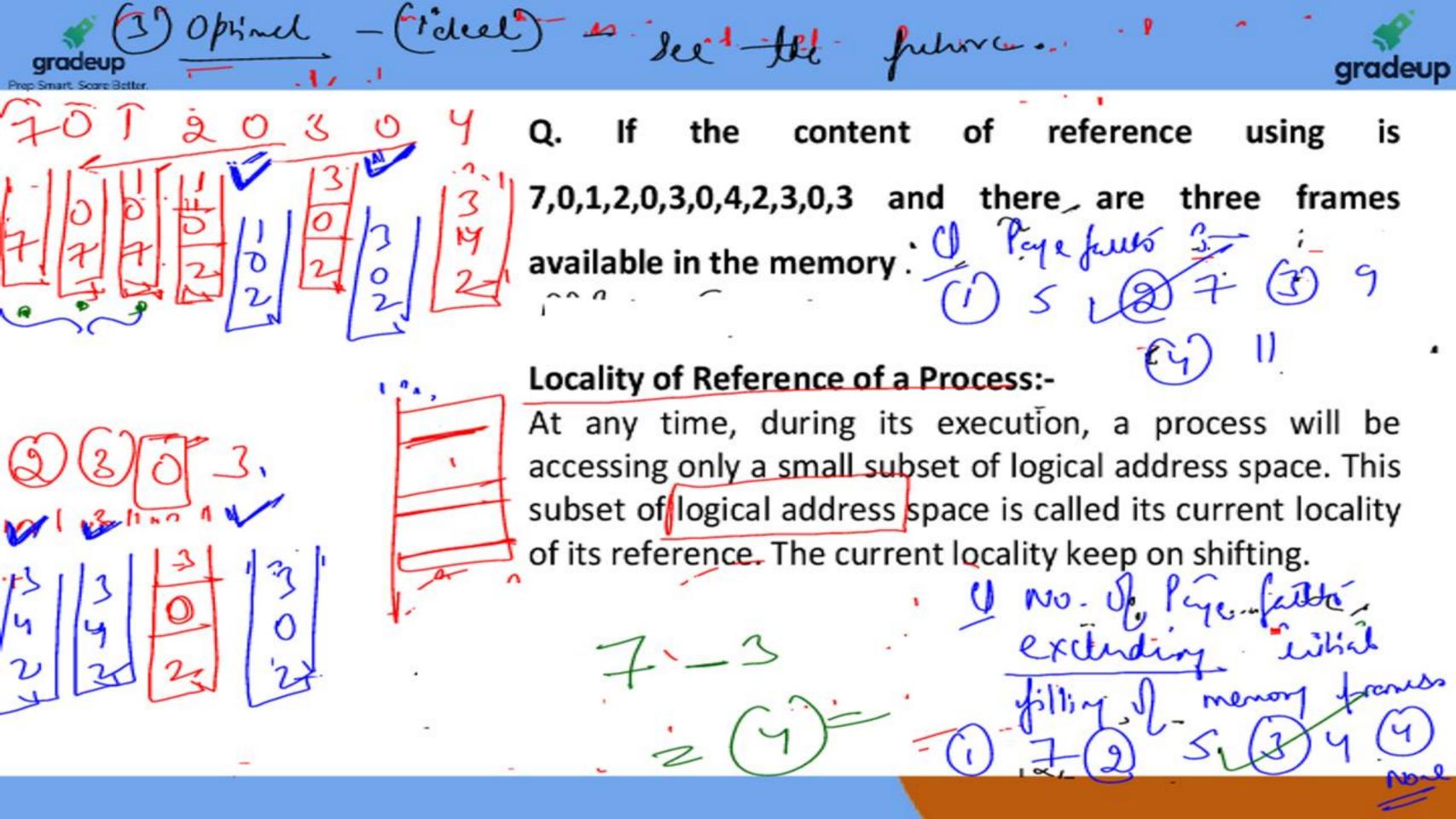
- a. First-in-first-out(FIFO)
- b. Optimal Replacement
- Least Recently Used(LRU)
- 2. Locality of Reference
- 3. Thrashing



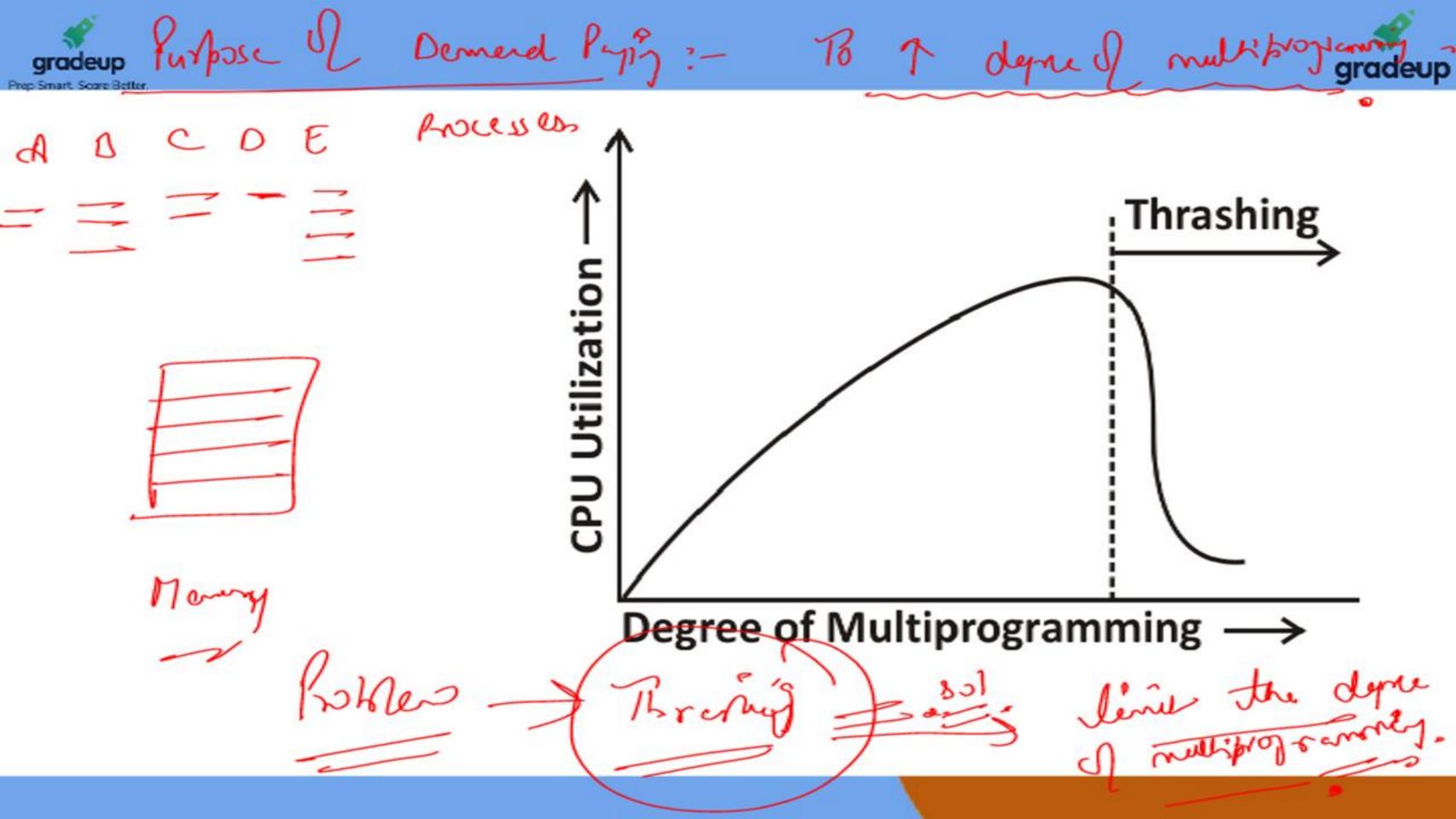
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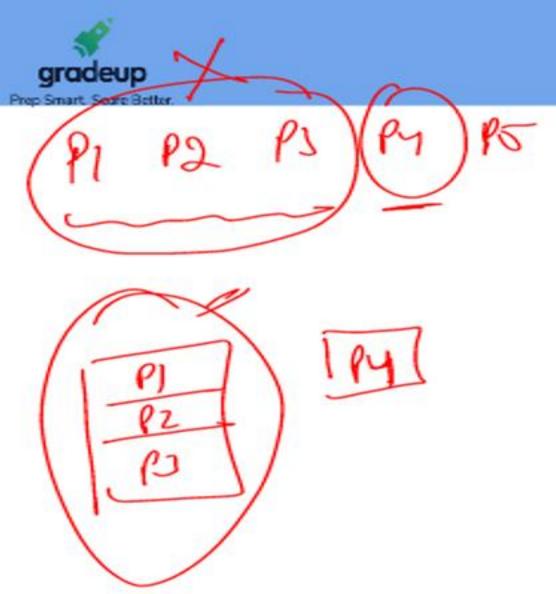
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gradeup overhead Thrashing:of moving pages from primary to The phenomenon secondary storage or vice-versa consumes a lot of Redomy wery little useful thrashing. A process is in their execution. computer's energy but accomplished very little useful Replace a The CPU utilization is plotted against degree of multiprogramming. As degree of multiprogramming the Same increases, CPU utilization goes on increasing although process whose Robles more slowly, until a maximum is reached. After this point Nept pyc is degree of multiprogramming is increased then thrashing is Thrasting to bist in a occurred and CPU utilization drops sharply after this point.



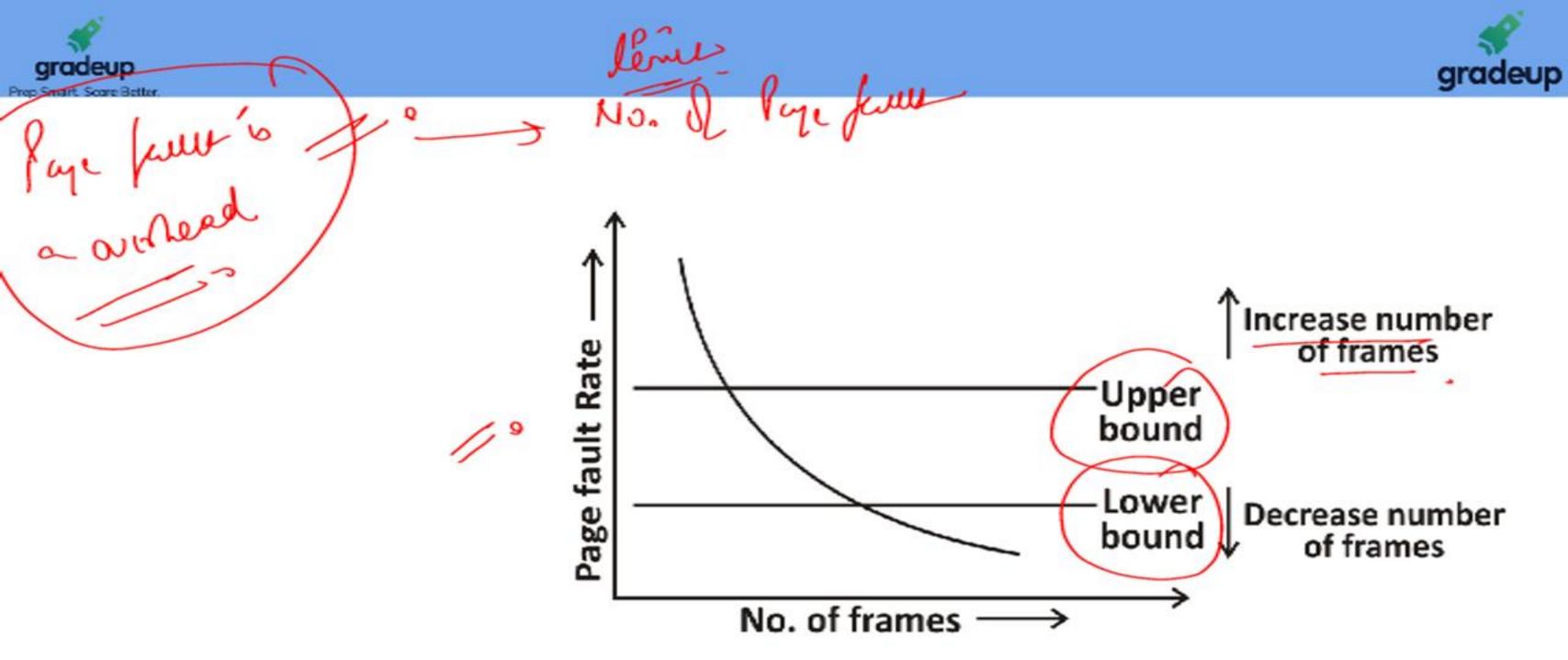


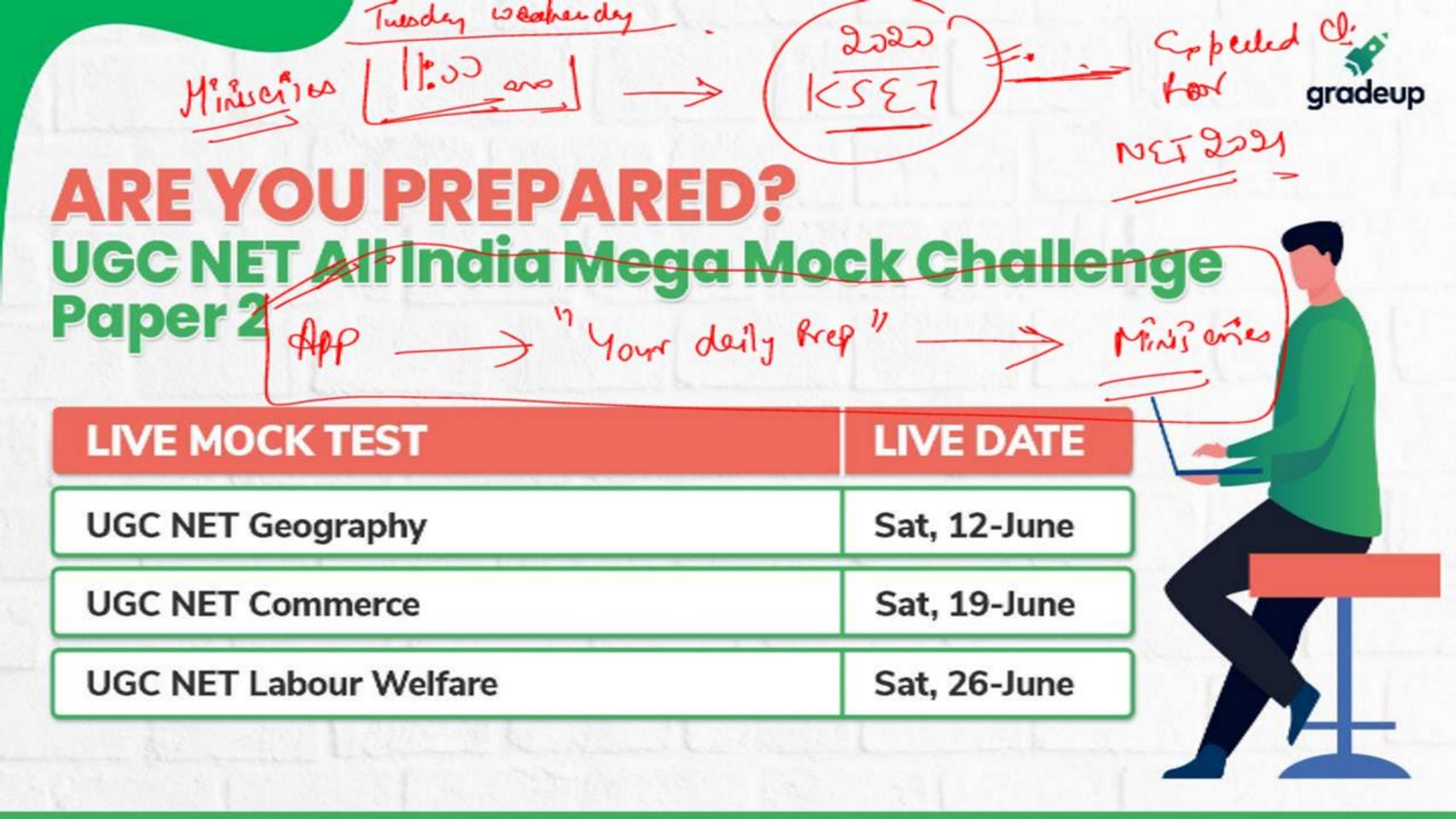


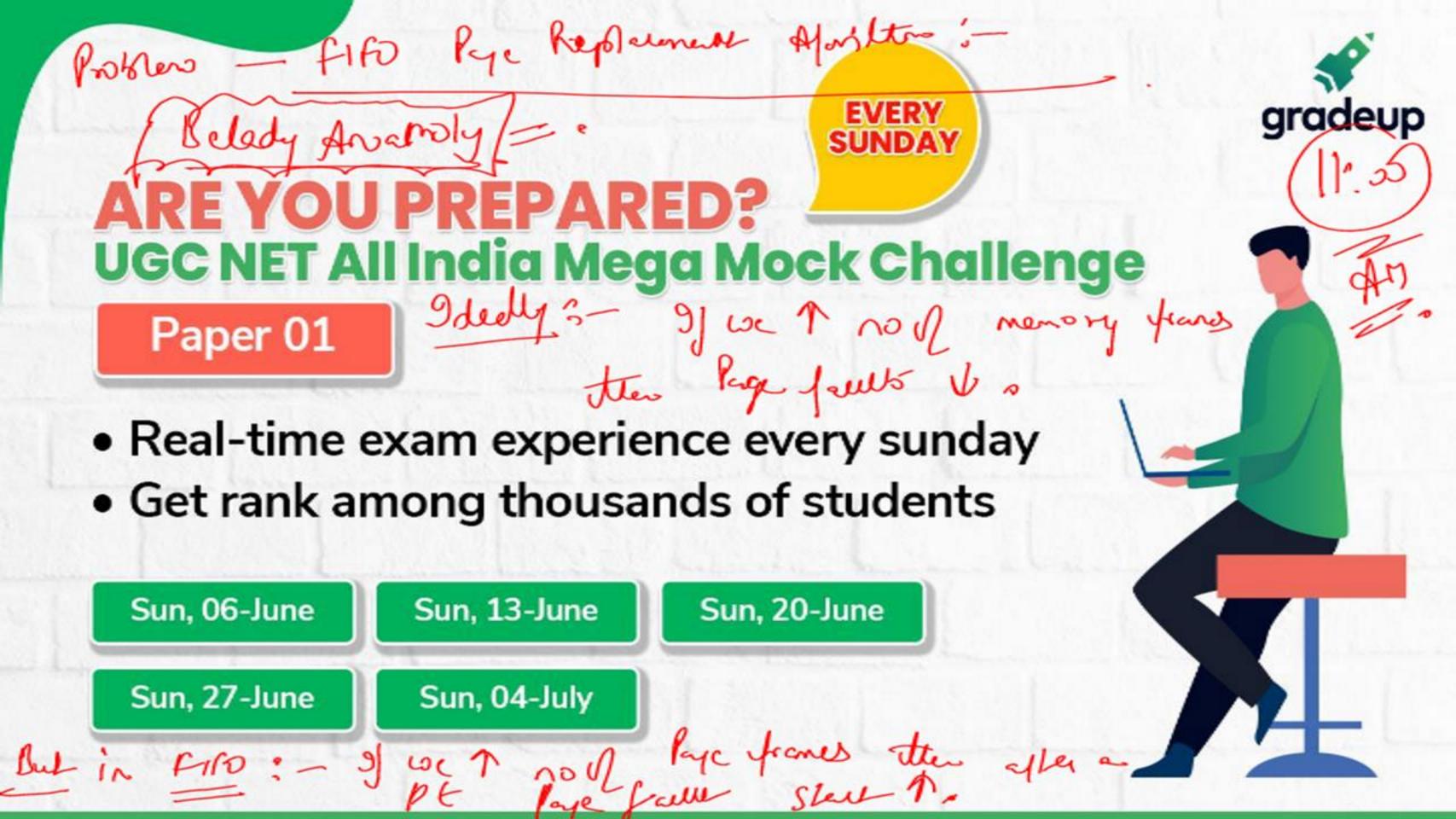
Measures to avoid thrashing :-

To prevent from thrashing a strategy called as page-fault frequency (PFF) is used . since , thrashing has a high rate of page fault rate is too low, then the process has too many frames. We can establish upper and lowest bounds on the desired page fault rate. If the actual page fault rate exceeds the upper limit, we allocate that process to another frame. We remove a frame from that process if there is possibility arise for the rate of page fault falls below the lower limit. Thus we directly measure and control the page rate to prevent thrashing.

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Practise topic-wise quizzes

Keep attending live classes



