The degree of multiprogramming:

The degree of multiprogramming describes the maximum number of processes that a single-processor system can accommodate efficiently. There are some of the factors affecting the degree of multiprogramming such as the primary factor is the amount of memory available to be allocated to executing processes.

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In fixed size partition, the degree of multiprogramming is bounded by. The degree of multiprogramming is: With multiprogramming is used productively.

$$\text{Degree of single process} = \frac{\text{Size of RAM}}{\text{Size of a single process}}$$

In simpler terms, the degree of multiprogramming refers to the maximum number of processes that can be stored in the computer's memory (RAM) at a given time. This helps determine how many different tasks the computer can work on simultaneously.