

3. At a particular time, the snapshot of the Main memory is given below for **dynamic** partitioning where **gray portions of the memory represent occupied spaces**. Apply **worst fit** and **first fit** algorithms to place processes with the space requirement of **P1=45K, P2=600K, P3=255K, P4=85K and P5=145K (in order)**. Explain which algorithm makes the most effective use of memory. **[10]**

300K	55K	675K	500K	230K
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