Subject : SPOS   **ASSIGNMENT NO – 05**   **Unit : V**

1. Explain the Memory management techniques with its types?

2. Explain techniques of managing memory using first fit, best fit and worst fit with suitable example?

3. Explain swapping and virtual memory system with example?

4. Describe Demand paging with its advantages.

5. List different page replacement policies and explain FIFO, LRU & OPT in details with example.

6. State paging. & explain hardware support required for paging.

7. Explain the concept of segmentation and its advantages.

8. Write short note on Thrashing in memory management.

9. Define reference string , page frame, hit ratio and page fault.

10. Consider the page reference string 2, 3, 2, 1, 5, 2, 4, 5, 3 , 2, 5, 2.

Calculate page fault & hit ratio for : FIFO, LRU & OPT. (frame size-3).

11. Consider the page reference string 1, 2, 3, 4, 2, 3, 4, 5, 6, 7, 3, 2, 4.

Calculate page fault & hit ratio for : FIFO, LRU & OPT. (frame size-3).

12. Consider the page reference string 1, 2, 3, 4, 2, 1, 5, 6, 1, 2, 3, 7, 6, 3, 2,

1, 3, 6. Calculate page fault & hit ratio for : FIFO, LRU. (frame size-4)

***************** Best of Luck *******************

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