

- 6 a. What is Paging? Explain Paging with neat diagram. (08 Marks)
b. Explain segmentation with neat diagram. (08 Marks)
- 7 a. Consider the following page reference string:
7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, 1, 2, 0, 1, 7, 0, 1
For a memory with Three (3) Frames. How many page faults will occur using LRU and FIFO page replacement algorithm? (08 Marks)
b. What is File? List and explain different attributes and operations of a File. (08 Marks)
- 8 a. List and explain different allocation methods used for a file. (08 Marks)
b. Explain different Free-space Management techniques related to disk. (08 Marks)
- 9 a. Briefly explain different disk scheduling techniques. (08 Marks)
b. What is protection? Distinguish between Mechanism and Policies. Briefly explain Access Matrix and its implementation. (08 Marks)
- 10 a. Explain the different IPC mechanism available in Linux. (08 Marks)
b. With a neat diagram, explain in detail about components of a Linux system. (08 Marks)

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