

SECTION-B

2. Write a detailed note on CPU scheduling criteria.
3. Explain in detail about views of an Operating System.
4. Write a detailed note on Paging scheme of memory management.
5. Explain in detail about Device Management policies.
6. Write a brief note on distributed operating system.

SECTION-C

7.
 - a) Explain the various goals of protection in detail.
 - b) Explain the concept of semaphores in detail.
8.
 - a) Explain in detail the concept of Multiprocessor Operating Systems.
 - b) Write a detailed note on role of I/O traffic controller.
9. What is the need of Page replacement? Consider the following reference string

7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, 1, 2, 0, 1, 7, 0, 1

Find the number of Page Faults with FIFO, Optimal Page replacement and LRU with four free frames which are empty initially. Which algorithm gives the minimum number of page faults?