



### SECTION-B

- 2)
  - a) What is Operating System? Explain various functions of operating system.
  - b) Differentiate between multiprogramming and multiprocessing operating system.
- 3) Explain any two classical problems of synchronization.
- 4) What is CPU scheduling? Explain various scheduling algorithms with relevant example.
- 5) What is paging? How it is different from segmentation? Also explain hardware support for paging.
- 6) What is file? What are different types of file? Explain various file access methods.
- 7) Explain the following :
  - a) Virtual memory
  - b) Demand Paging