Set-I

- Shortest Remaining Time Next (SRTN) algorithm
- Producer -consumer bounded buffer problem with monitors
- Shortest seek time first (SSTF) disk scheduling algorithm
- Optimal page replacement algorithm

Set-II

- Priority (Preemptive) scheduling algorithm
- Readers-Writers problem with semaphore
- First-Come-First Serve (FCFS) disk scheduling algorithm
- Least recently used (LRU)   page-replacement algorithm

Set-III

- Shortest Job First (SJF) scheduling algorithm
- Dining philosophers' problem with semaphore
- C-Look disk scheduling algorithm
- First-in first-out (FIFO) page replacement algorithm

Set-IV

- Round Robin (RR) scheduling algorithm
- Banker's algorithm for Deadlock
- SCAN disk scheduling algorithm
- Most recently used (MRU) page replacement algorithm