- What do you mean by Virtual Memory? Write down its advantages?
- What is Process Scheduling, CPU Scheduling, Disk Scheduling? Explain Short, Medium and Long term Scheduler?
- Compare Paging and Segmentation?
- Explain concept of a process with its components ?
- Explain various Disk scheduling algorithms with Illustrations ?
- Explain the following in brief Contiguous and Linked list allocation for implementing file system?
- Discuss advantages and disadvantages of the Buffer cache ?
- Define process and thread. What is PCB ? Explain its various entries with their usefulness ?
- What is an Operating System? Write down its desirable characteristics ?
- Explain different types of OS with examples of each ?
- What is an Operating System? Write down its desirable characteristics ?
- Explain different types of OS with examples of each ?
- Define a deadlock ? Write down the conditions responsible for deadlock? How can we recover from deadlock ?
- What is Binary and Counting semaphores ?
- What do you mean by PCB? Where is it used? What are its contents? Explain.
- What are the various services provided by Operating system ?
- Describe necessary conditions for deadlocks situation to arise.
- What are System call? Explain briefly about various types of system call provided by an Operating System?
- What is File? What are the different File attribute and operations?
- Write a Semaphore solution for dining Philosopher’s problem?
- What are points to be consider in file system design? Explain linked list allocation in detail?

- Write the different state of a process with the help of Process state deagram?
- Explain CPU schedulers in operating system?
- Consider the following page reference string:1,2,3,4,5,3,4,1,2,7,8,7,8,9,7,8,9,5,4,5. How many page faults would occur for the following replacement algorithm, assuming four frames:a) FIFOb) LRU
- Write a Semaphore solution for dining Philosopher’s problem?
- What do you mean by paging in operating system ?
- Explain Network operating system?
- What is Mutex in operating system?
- Write the different state of a process with the help of Process state deagram?