

3-b.	Define Process Transition Diagram with the help of a neat diagram. (CO2)	6
3-c.	Explain Round Robin scheduling algorithm with example (CO2)	6
3-c.	With the help of Diagram, Describe the action taken by kernel to context switch between the process. (CO2)	
3-d.	Explain why Scheduling is necessary. Discuss the five different scheduling criteria's used in computing scheduling mechanism. (CO2)	
3-c.	How to evaluate the CPU scheduling algorithm? Explain in detail. (CO2)	6
3-d.	Distinguish between CPU bounded, I/O bounded processes. (CO2)	6
3-c.	Explain types of thread? Define which type of thread is important for operating system. (CO2)	6
3-d.	Explain process scheduler. What criteria affect the schedulers performance? (CO2)	6

10 mark

5-a.	Distinguish between i) Scheduler and Dispatcher ii) Multiprogramming and multiprocessing iii) Job scheduling and CPU scheduling (CO2)	10
5-b.	Differentiate between :- i) Preemptive and non preemptive scheduling ii) Process and Thread iii) Long Term Scheduler and Mid Term Scheduler (CO2)	10
5-a.	a) Define Process? With a suitable diagram explain process State diagram? b) Explain about process schedulers? (CO2)	10
5-b.	Describe the four situations under which CPU scheduling decisions take place. Explain the algorithmic evaluation in CPU scheduling. (CO2)	10
5-a.	Explain the concept of 'process'. also describe the contents of a process control block(PCB) in details.(CO2)	10
5-b.	Draw & discuss process state diagram with example.(CO2)	10
5-a.	Discuss how scheduling algorithms are selected for a system. What are the criteria considered? Explain the different evaluation Methods.(CO2)	10
5-b.	Explain any three scheduling algorithms. (CO2)	10