* CLO1 : CH 1,2,3 (12 MARKS)
* CLO2 4,5,6 (13 MARKS)
* Excluded Topics: Amadhls law, Coding of reader/writer, producer/consumer, dining philosopher. All formulas in scheduling (Ch6)

All terms ma’am used are as follows: These are in order from ch 1-6.

* **Trap/interrupt**
* **Calls/systems calls**
* **OS and concepts**
* Multiprogramming
* Multitasking
* Timesharing
* User/Kernal/dual Modes
* Microkernal/simple/layered OS structures
* Policy/Mechanism and Their difference
* Process Operation and termination
* New Process State
* Types of scheduler (short/medium/long term schedulers and their purpose)
* Ready Queue
* Context switching
* Process Control Block PCB
* Interprocess communication
* Shared Memory
* Message Passing
* Block Sender/receiver
* Rendenvous between Sender/Receiver
* 3 types of buffer and their difference
* Process/Threads and their difference
* Concurrency/Parallelism
* 1 to many threads/ Many to many Threads / Many to 1 threads between user and kernel.
* Critical and Mutual Exclusion
* Fork()
* Scheduling Process
* Types of scheduling
* FIFO/ROUND ROBIN/ Shortest job first
* IO/CPU BURST
* Preemptive/Non emptive scheduling
* FCFS Scheduling
* Priority based Scheduling
* Shortest remaining first.
* Multilevel Queue Scheduling.
* Lab mid will be conducted in first OS lab after Sports week. The OS mid will be submitted on teams within the deadline.