08 surlas

- User Interface
- UUI
- program execution
- Ilo operations
- file system manipulation
- Communication
- error detection.

System programs.

- file management
- status augormation
- fil modification
- programming language support
- program loading & occution
- lommunication.

schuduling

- cov-Ilo Burst cycle
- cpo scheduler
- precomptine scheduling

scheduling criteria.

- cpv utilization
 - throughput
 - -Turnaround livie
 - waitingtime
 - Responseture.

scheduling alg:

- FCFS
- SJF
- priority
- Round Robin

functions of 09

- memory mgnt
- proussor "
- durce
 - file
- user cittingale.
 - · cmd wie interface
 - · HUI
 - · Batch Tutuya 4
 - Booting the competer
 - security.

U-11 cultical section. 5 petersons solu. 5 system bleo solv - 3 requirements is mutual exclusive 15 progress 5 bounded coarting sunaphores. classical problem of synchronization. 1) bounded buffer problem. 1> peadous - writing problem 1> Dinning philosophers problem. U-in there where point when ago humory management humory management techniques - contiguous / fexed size Asserta Madrianas -- non-contiguous / Vantable size. Full space management technique - bitmap | bit vector - whiced lust. - page replacement (3 alg) o optional

UNIT-I 1. System Calls 2. Types of system calls - prous control - file management - Device management - Information maintenany - Communications 3 process Management 31 4. process numory (4 sections) -Text - data Drivery philosophers problem - huap - stack. 3911) 8. process control block - cpv schuduling information. humory margunered information - process state - process number - decounting information - program country - Ilo status sujormation - registers revisions Horal Size - munory limits - list of open guis process state:

- ruady

- wait

- summing