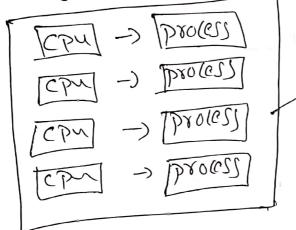
Distributed operating Jyskm:

CP4 -> process =) This one (By Cannot Manage au the things.

.: The orbove drawback can be managed by or solved by below fig.



) Distributed Jystem

Reguest DB

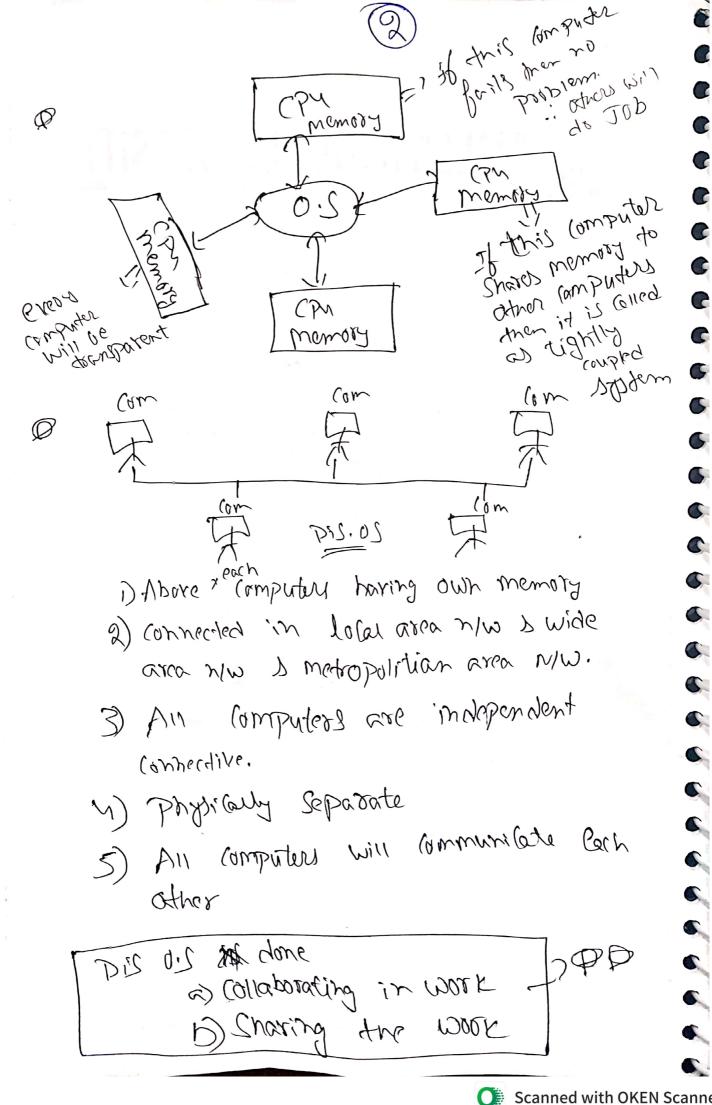
travelled through travelled through The several dishibuted Operating Josham.

Defination of Distributed operating Athemi
A distributed OS is the SIW over a

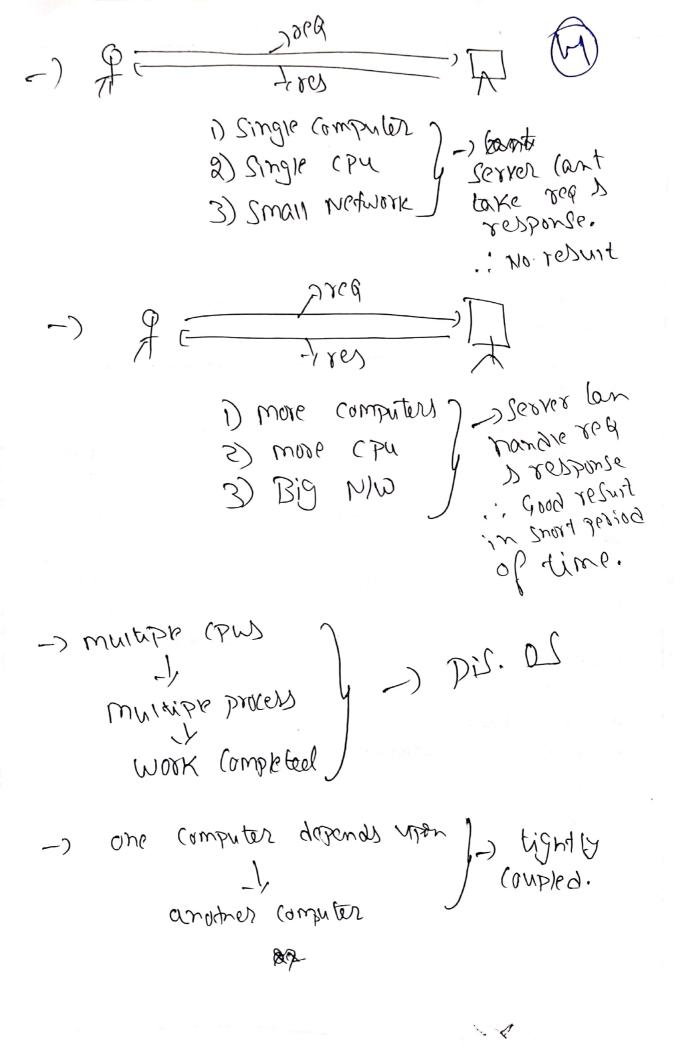
Collection of independent, networked,

Communicating & Physicary Seperate

Communicational nodes.



Advantages of Dis. Os: 1) Response time 2) output Speed 3) memory wirsosion HINW UtilBation. Process will be divided into Sub (P1) Sub Pz Sub P3 \_), SUB Py SUBP2 WOOK done by computer I SUBP3 WOOK done by computer 2 SUBP4 WOOK done by computer 3 For Goic MARK for gove max SUBPS gave mack for SUB P3



Cramples of dis. 05: a) Telephone 5) Internet C) ATM machine d) mobiles whage Trient JERKOS 2 NAPO DIS. OS - 3f NO DISTORDA then client nave to wait for line Johns results • (dr 0/2. 5 6 66666 there 210 9:7. 615W49121 20 => are zerrer con Copild serbengs ; to single vient

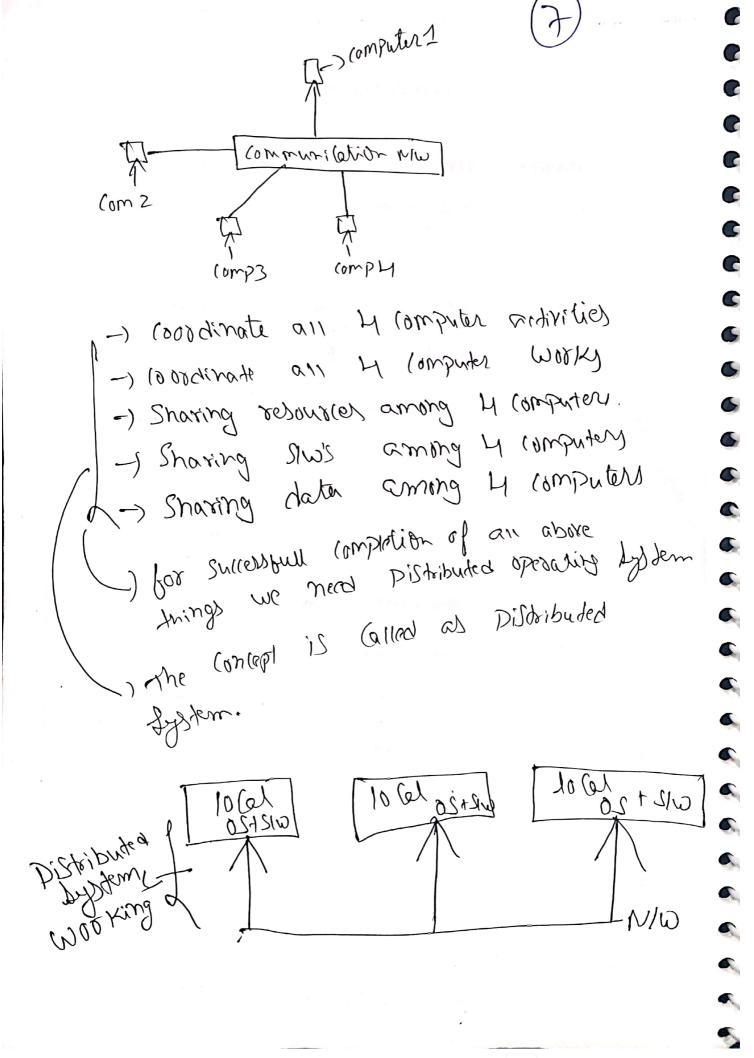
\$ DS is loosely carpled -) NO Shared Membly Advantages of Dis. Os: 1) Resource Sharing 2) computation Speed up 3) Reliability ~ (ommuni bation 5) QUICKLY responses 6) (lient no need to wait 7) extensibility 8) Cloud concepts completing

> Distributed Islam Distributed Seave , communication new

-) Distributed Jyskm: 34 is a Collection of

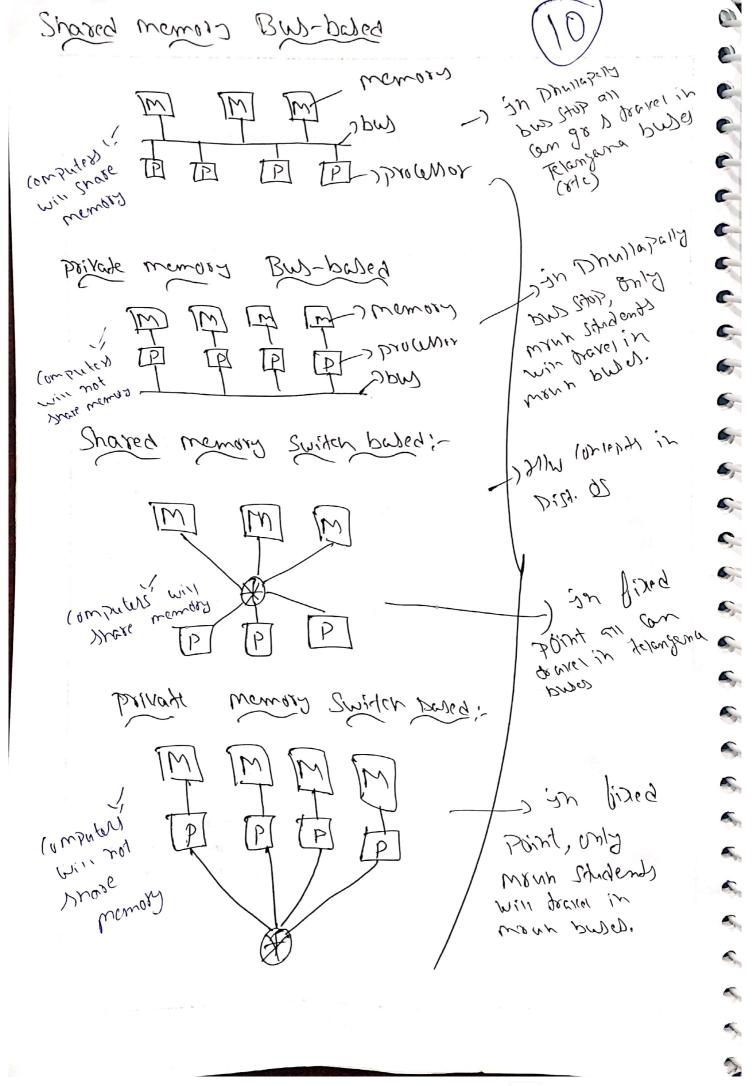
SINO

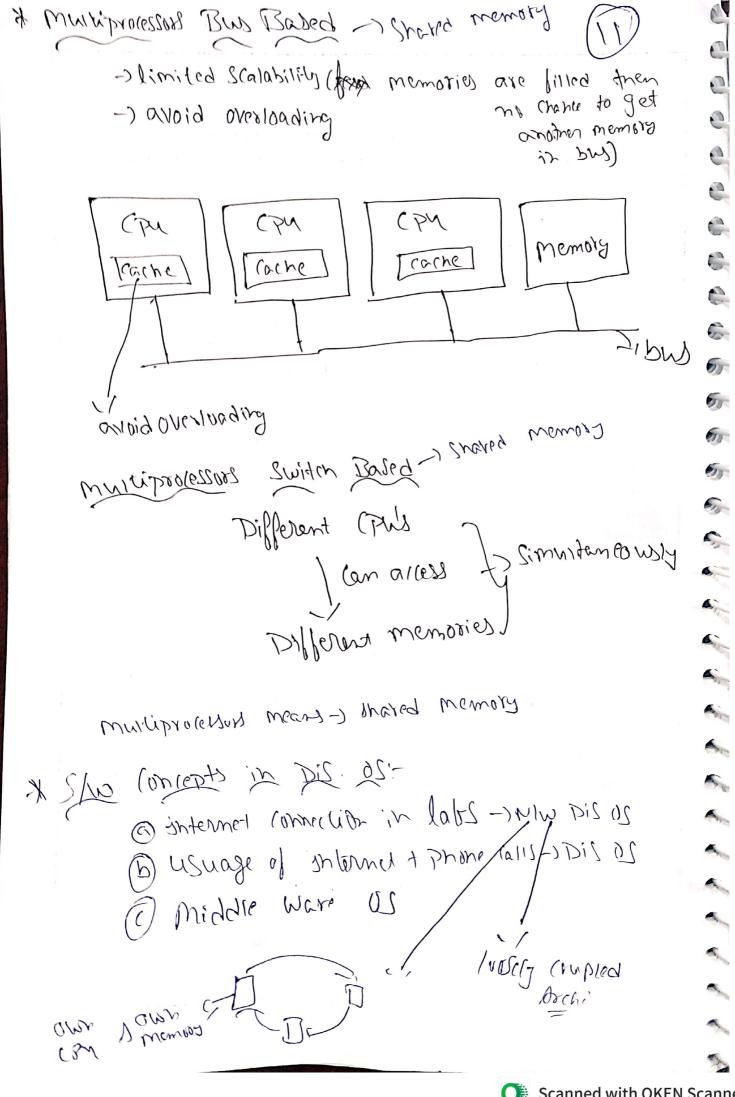
depends upon Dis. OS



Distributed operating when diagram DB Server Communitation MW wisk Coordinate activities Sharing resources Stores Data in DB. -) Mustiple chililes (more used an Sena (tempor a This Can be a done by roder i. The above is Called Dis. 05 Scanned with OKEN Scanner

(x) florginuse (anceby) is Dig. Oli-
(a) Multiprocessor bus based (b) Multiprocessor Swiden based
(a) Slow concepts (b) Distributed operating Jystem (c) NIW OS (c) Middle ware OS
Hardware concepts in Dis. dysami- Showed memory bus based Poivase memory bus based
Shared memory Switch based Shared memory Switch based  Started memory Switch based  Bus Based
MIST state Shared memory private memory Switch Badea
Shared Memory Private memory.  SISD-) Single instruction Style Data  [PUT] poors  instruction
(SIMD-) Single instruction multiple Date, marked -) multiple Date,





do

challenges of DS:-	
Lare ESESDANE Levels V Lord V Seeres V Lord V	The second secon
So Cand decrease complex  So Cand decrease complex  The failure dasks. If  and send sms for failure dasks. If  one task is failure then we cantable  to update the news of failure table to  when	
-) migration  -) load balancing  -) openness (like and to drop out from auto no place)	)
-> Scalability -> Security	

0

communication in Distributed Jakem: 6 P oissues in communication. (i) melbage oriented communication 2 Remote proladure (alis(RPC) Remote method involution (RMI) 6 RMI is also RPC but Specific to remote obs (H) Stream oriented Communication group of Peoples in interview room. one man win come and colls for Sayinderwiew. My . ) transfering bet of data from London to Sept. No. receiver 9) Remode procedure Call:--) Calling a CPU or derver which is predent on anothe 11 w by remote way is Called 5 remode Proleduse 1 -) far gmail AMW ZHIW this cry earing cpu in 2nd NI.

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\_) SCEVER (11cmt



-) RPC -> Server (lient Sofus Dacking (rep) mparking yes)

Client -> (lient stub -) RP(-) Server (reg park)

Mient (- Mend Styb (- RPC (- Server ( ses PACK)

