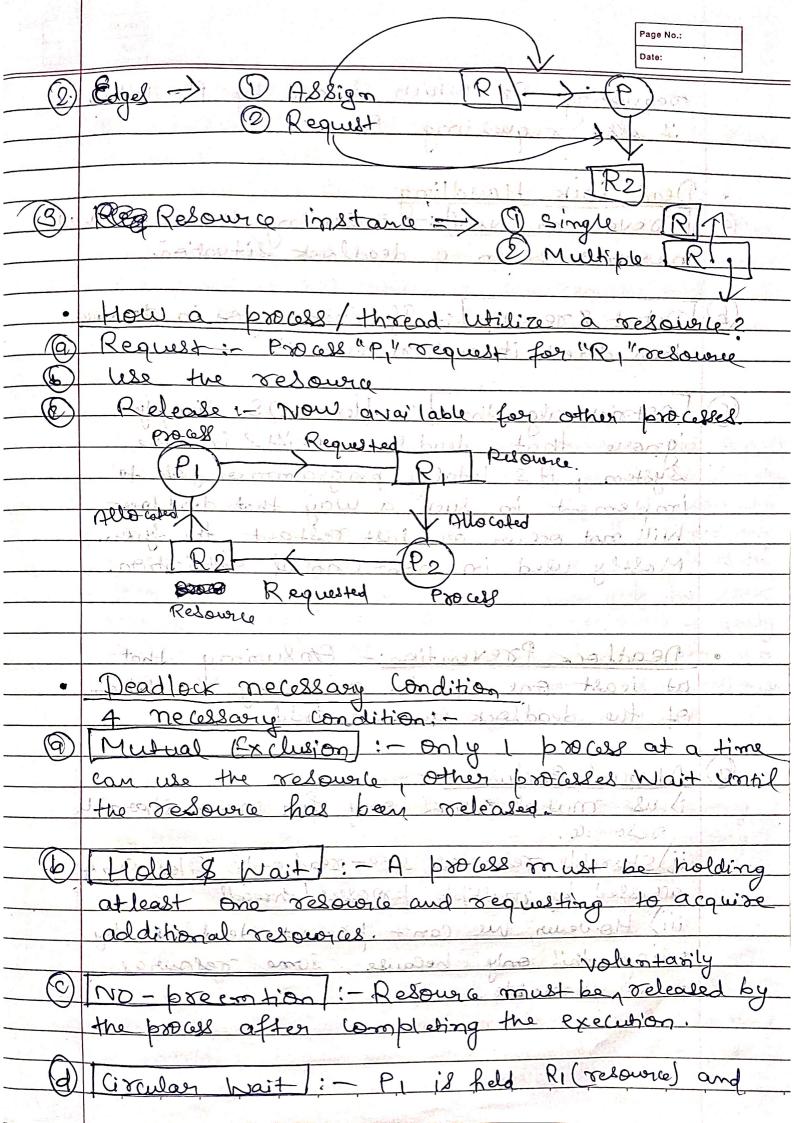
~- ⁻ *	Deadlock of Part:-I no mind
	China and Various of inclaimed (2)
•	A Situation Where each participant is Waiting
	for a relowice held by any pathia another
	defendency is called an deadlock.
ر المحملي	dependency is called an deadlown
~~~~	4 Line of the same
	It is an bug present in the process / thread
V,	Synchronization methodo - de la minima del minima de la minima della minima de la minima de la minima de la minima de la minima della m
and the second	And Alice Alice and a property of the second
٠	RAGE (Resource Allocation Graph)
	H directed graph used to visualize the state
	of processes and their resource
	Vertex D Protess Verley ? (P) (E) Resource Verlay ? (P)
	(2) Kesource Verday > K



Page No.:	1 j	200
Date:		

Hold & Wait:

To en Sure this condition never happens we use below two ways:

i) Protocol (A), each has to request all lits
required resources and allocate it before its execution.

ii) Protocol (B), allows a passed to me its execution.

Tequired resources and allocate it before its execution is Protocol (B), allow a process to request resources only When it has mone, it can request additional resources after it must released all the resources that it is currently allocated.

(C) NO preemption:
i) If a process is holding some resources and request amother resource that cannot be immediately allocated, to it, then all the resources the process is accordingly shouldings are preemptsed. The process will restart only When it can regain its old resources, as well as the new one that is requesting. Now, if apply the lock then was it take I see got to every resource to apply to avoid the issue of live lock (a situation whose two or more processes continuously change their state in response to each other, without making any actual progress).

ii) If a process request some resources, we first check if not available, then we check whether they are allocated to some other process that is waiting for additional resources, if so then we preciously the desired I resource from waiting process and allocate them to the requesting process.

a Circular Wait: - PI & PZ: both require RI and R2 resource, first both try to lock RI brocess and who ever acquire the RI then only that brocess acquire R2: P1211 Still waiting for RI resource,