MAME = HITEMDRA SISODIA PAGE NO. SAP Id = 500091910 DATE: Assignent -1 ouy-1- Write a short note on monitors with respect to Synchronisation: How is it different from Semaphores? Threads to muhical exclusion and the worte) for a given condition to become and a collection of producers excuting A process may not directly access the showed data variables, and procedures are required to allow several processes to access the showed data variables. The monitor is one of the ways to achieve process synchronization. The mountar is support by programming languages to achieve mutul exclusion behvern process. 1) It is the collection of their dition variables and of module or a package. 1) The processes running outside monitor cont and inhand variable of monthers but can call procedures of monitors.

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The state of the s
3) only one process at a time can exente
code Inside monitors.
Mutal exclusion in monton is automatic while
10 Scamophores, mutal exclusion needs to
be implemented explicitly. Motitions can overcome
training errors that occur while using semaphores.
(3) Shared variables are global to all process in
The monitor while should variables are
hidden in seamaphores.
and a second way of a family of the second o
Scamphore of Using a country to flug to control
· acces some should resources in
a concurrent system, implies use of seamphoreis.
RELIGIAR SALL EXPAND OF MERCAPOR DESCRIPTION OF THE PROPERTY O
DA country to allow only 30 passengers  he acquire the So seals of any Thread / Bus I  / train. And to allows a new passengers only
ho acquire the 50 seals of any thread Bus
/ howin, And he allows a new passengers only
it someone voicins a seat
DA binary Space indicating free locarpied
(3) Flag only revel State of Resource, no
count or any other information on the
3 plag only revel state of Resource, no count or any other information on the waiting or running objects on the resources
The state of the s
λ
Monitor & A Monitor Synchronizes acces to an
Object by communicating with threads
intersted in the object, asking them to
arquire arress or wait for some condition.