A situation whereby resources cannot be shared; a process needs exclusive access to a resource is what condition in deadlock
Non-shareable resources

A state is said to be safe if
The system can allocate resources to each process in some order and avoid deadlock

What do we call a situation when the system considers the resources currently available and allocated for each new request and further request and releases each of the process, to decide whether the current request can be satisfied or must wait to prevent a possible future deadlock
Deadlock Avoidance

Which of the following statements are correct
All of the above

The part in one of the conditions for deadlock whereby a process continues to hold the resources allocated to it while waiting for other resources is called
Hold-and-wait

One of these is a condition for deadlock
Circular waiT

The approach where the system does not make any attempt to prevent deadlocks and allows processes to request resources and to wait for each other in an uncontrolled manner is called
Deadlock detection

A solution to the critical-section problem must satisfy three properties except
Race Condition

How can race condition be prevented?

Select one:

Sharing Resources

Operations executing concurrently and allowing both operations access the shared data
Mutual exclusion

Bankers' Algorithm is a ………………….. algorithm
Deadlock Avoidance