Section - 7

Question 2. Write the condition of dead lock. Explain the protocal to be used the break the circular wait condition.

Answer :- Four necessary and sufficient condition for deadlock.

(a) Mutual exclusion :- The resource involved must be unsharedble ; otherwise the process would not be prevented from using resource when necessary.

(b) Hold and wait on partial allocation.

(c) No pre-emption.

(d) Resource waiting or circular wait

Circular wait :- One protocal to ensure that the circular wait condition never hold is impose a linear ordering of all resource type.

Then each process can only request resure in ~~an ordinary of all resaur~~ increasing order of priority with their priorities. If process P wants to use r_1 and r_3, it should first request r_1 and r_3