

Assignment:1

CSE-315

DEADLINE:25 JUNE,2019

- What are the Necessary conditions of occurring Deadlocks?
- Solve the following Problem.

Consider the snapshot of the system given in Fig-4(c).

	Allocation				Max				Available			
	A	B	C	D	A	B	C	D	A	B	C	D
P ₀	0	0	1	2	0	0	1	2	1	5	2	0
P ₁	1	0	0	0	1	7	5	0				
P ₂	1	3	5	4	2	3	5	6				
P ₃	0	6	3	2	0	6	5	2				
P ₄	0	0	1	4	0	6	5	6				

Answer the following questions using Banker's algorithm.

- i. What is the content of matrix need?
- ii. Is the system in a safe state?
- iii. If a request from process P₁ arrives for (0, 4, 2, 0), can the request be granted immediately?

- Explain two different way of recovering from deadlocks.