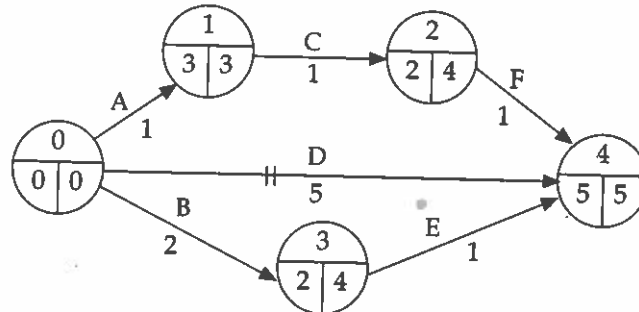


Project data			
Activity	Preceding activity	Duration (days)	Labour requirements
A	-	1	2 men
B	-	2	1 man
C	A	1	1 man
D	-	5	1 man
E	B	1	1 man
F	C	1	1 man

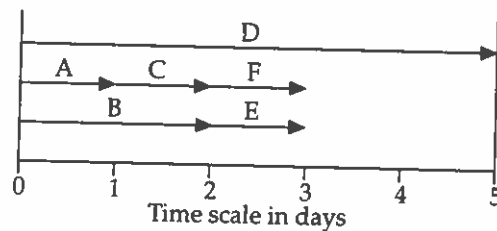
Resource constraint, 2 men only available



Critical path – Activity D – Duration 5 days
(Without taking account of the resource constraint)

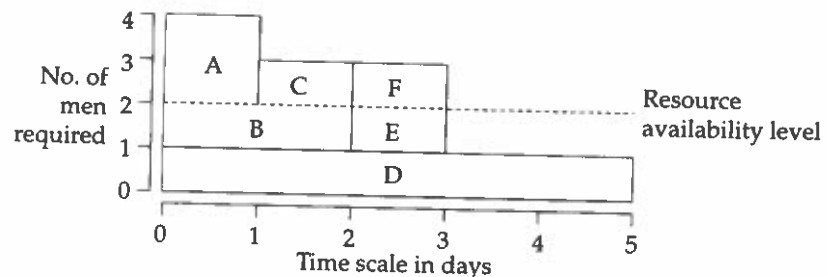
Resource Scheduling Steps

- a) Draw the activity times on a Gantt or Bar Chart based on their ESTs



Time scaled network

- b) Based on the time bar chart prepare a Resource Aggregation Profile i.e. total resource requirements in each time period.



Resource aggregation profile based on EST's

- c) Examination of the above profile shows that at times more resources are required than are available if activities commence at their EST's. The ESTs/LSTs on the