

#### Exercise 4:

By the given data in the following table

- a) Draw the AON network and determine CP. Calculate ES and LS for each activity.
- b) Knowing that the maximum available of each renewable resources, R1 and R2, is 5, specify a practical scheduling which violates no resource limit.
- c) How long does it take to complete the project? Is this time longer than CP duration? If yes, determine how many resources (of each type) should be procured to reach the CP duration as the project completion time.

Activity	Duration	Relationship	Predecessor	Lag	R1 usage	R2 usage
A	2	-	-	-	2	0
B	3	SS	A	0	4	1
C	1	SS	A	1	1	3
D	4	FS	A	0	2	1
E	2	FS	A	1	1	5
F	1	FS,FS	B,D	0,1	3	1
G	3	FS	C	0	1	4