

Q1) Consider building a garden shed project, which involves designing the shed, figuring out what materials are needed, ordering or purchasing the materials, and putting together the various parts. Some of these tasks depend on the others, some must be scheduled

- a. develop a table showing each task, preceding events and expected duration.
- b. Draw the Gantt chart of the activities using any CASE tool.

Q3) Assume that you have a project with nine activities labeled A-I. Derive the T_E , T_L and slack time for each of the following tasks. Which tasks are on the critical path? Draw a network diagram and highlight the critical path.

Activity	Preceding Event	ET	T_E	T_L	Slack time
A	----	4			
B	A	6			
C	A, B	7			
D	A	6			
E	B	5			
F	C, D	4			
G	D, E	3			
H	E, F	4			
I	G, H	5			