

Civil Engineering Department

GE404: Engineering Management	Homework(1)	Instructor:Eng.Alothman
GL404. Engineering management		instructor. Eng./ tottinian

Q1\ Draw Gantt bar chart for this project based on the <u>calendar days</u>: (Use activity duration in days instead of weeks) Assume; start day is <u>Tuesday</u>. Working days 5, Friday and Saturday are Holidays.

Find:

- A) Working days.
- B) Calendar days.
- C) Critical activities.

Activity	Predecessors	Time(weeks)
A	None	2
В	None	3
С	А	2
D	B,C	1
E	D,F	2
F	В	3

Q2\ Draw activity on node diagram for the following project, then .

Find:

- A) Project Duration.B) Critical Path.

ES	D	EF
	Act	FF
LS	TF	LF

Activity	Predecessors	Time(weeks)
А	None	10
В	None	11
С	А	8
D	В	5
E	C,D	6
F	E	6
G	E	4