

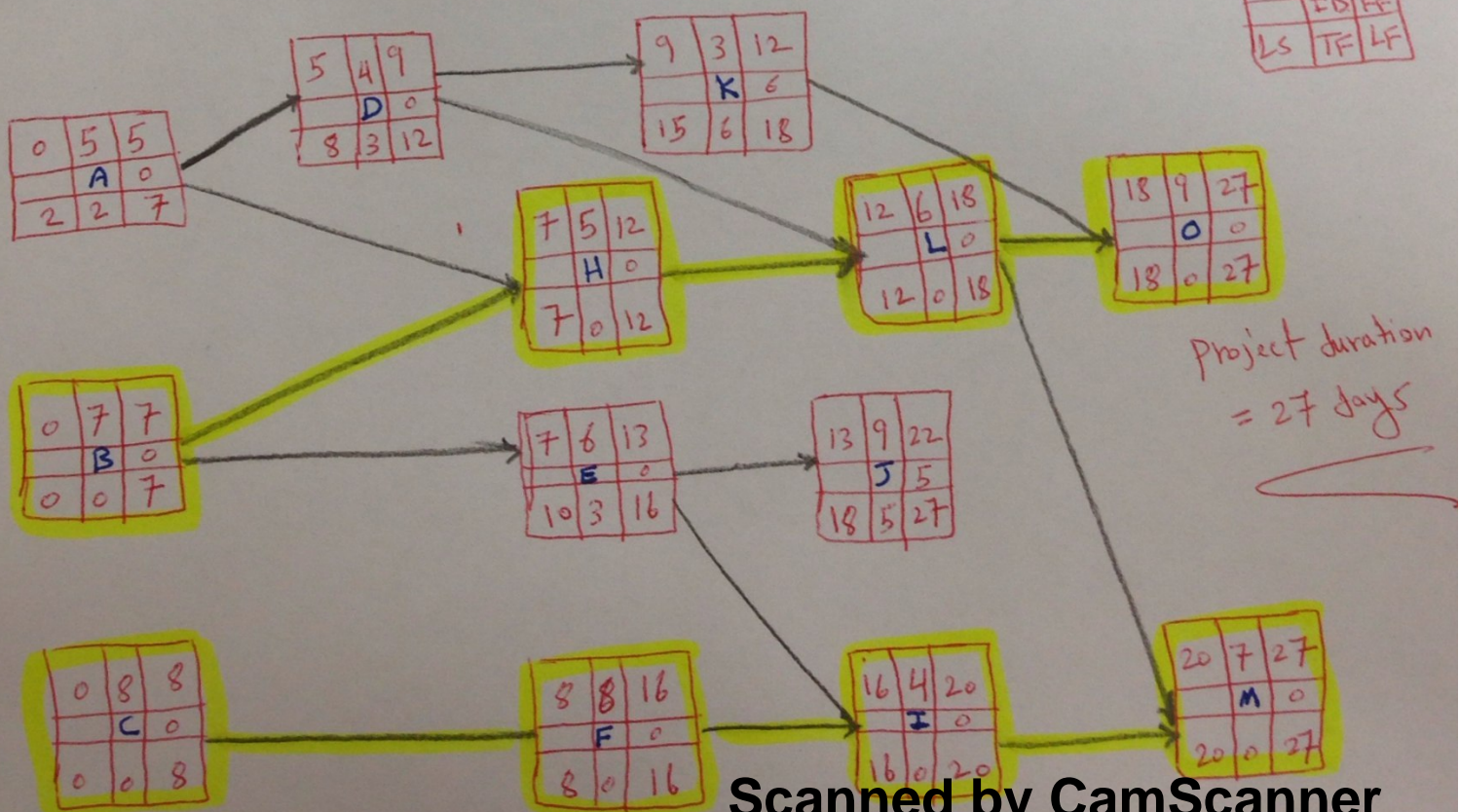
## Question No. 2:

For the following small engineering project,

Act.	Depend on	Duration
A	-	5
B	-	7
C	-	8
D	A	4
E	B	6
F	C	8
H	A,B	5
K	D	3
J	E	9
L	D,H	6
M	L,I	7
O	K,L	9
I	E,F	4

a) Draw the AON diagram.

b) The activity durations are in working days. It is required to compute the activity times (ES, EF, LS, and LF), free floats (FF) and total floats (TF) and then indicate the critical activities.



# GE 404 Engineering Management

## Quiz #1

Student Name:

Student UNI ID:

### Question No. 1:

For the following project:

- Estimate the project duration using bar chart technique assuming that the project starts on 28/06/2014 having weekly break on Friday and the official holiday on 28/06/2014.
- Determine the productivity of activity 7 if its own quantity is equal to 750 units.

Act.	Predecessor	Time
1	-	2
2	1	1
3	1	3
4	3	3
5	3	2
6	2,4	2
7	5,6	4
8	2,4	3



a) Project duration = 17 days so the project will finish on 14/07/2014

b) Productivity of activity 7 =  $\frac{750 \text{ unit}}{4 \text{ day}} = 187.5 \text{ unit/day}$