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Subject: Software engineering lab  
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(Q5) a) Consider the following activities with ~~the~~ optimistic, nominal & pessimistic duration to organize a conference.

- (1) Determine topics (8, 12, 17)
- (2) Send invitation (2, 3, 5)
- (3) Receive paper (4, 5, 6)
- (4) Review and select paper (6, 8, 10)
- (5) Prepare schedule (1, 3, 5)

Precedence relation:

$1 < 2; 2 < (3, 4), (3, 4) < 5$

Determine the duration of the summary tasks. Draw the optimistic, expected & pessimistic Gantt chart for the project. Consider Post weights are 1, 4, 1 for optimistic, nominal & pessimistic respectively.

(Q6) Consider the admission system in a college where a student get admission by depositing admission fees at account section, at the same time he is registered in hostel, academic section and library system of the college.



After completion of these procedures he gets the identity card & library card. Draw corresponding activity diagram.

Answers

(Q2) | Stud. 7 | ~~Account~~ section

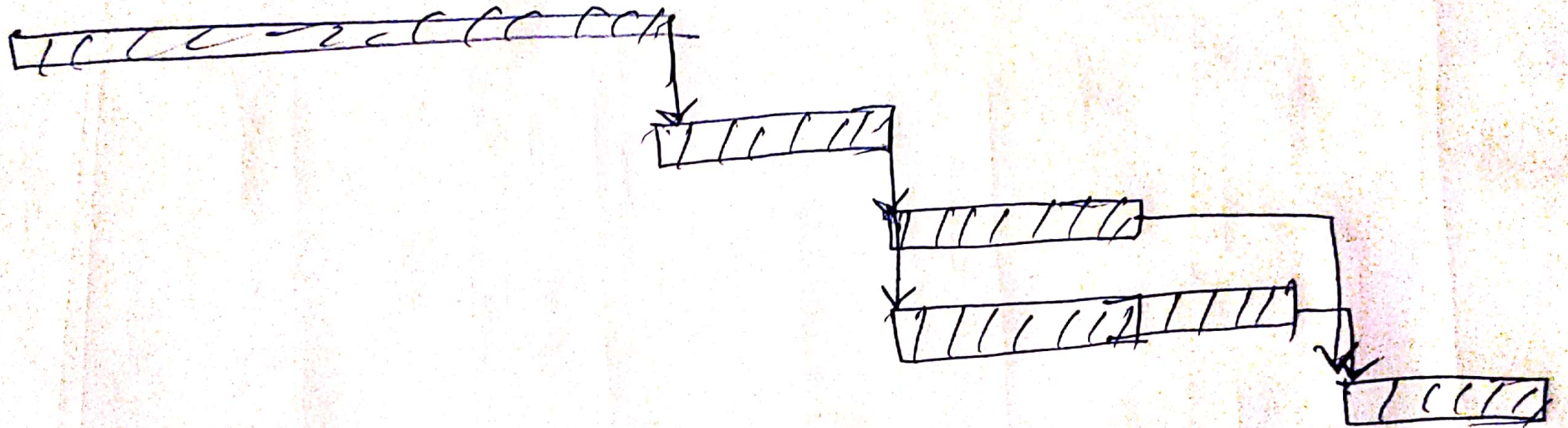
# (85.a) PERT chart

~~Task name~~ Duration ~~Optimistic~~ duration

Task name	Duration	Optimistic duration	Most likely duration	Pessimistic duration	Predecessors
Determine Topics	12.33 days	8 days	12 days	17 days	
Send invitation	3.33 days	2 days	3 days	5 days	1
Receive paper	5 days	4 days	5 days	6 days	2
Review select paper	8 days	6 days	8 days	10 days	2
Prepare schedule	3 days	1 day	3 days	5 days	3, 4



# Gantt chart





(Q5.6)

