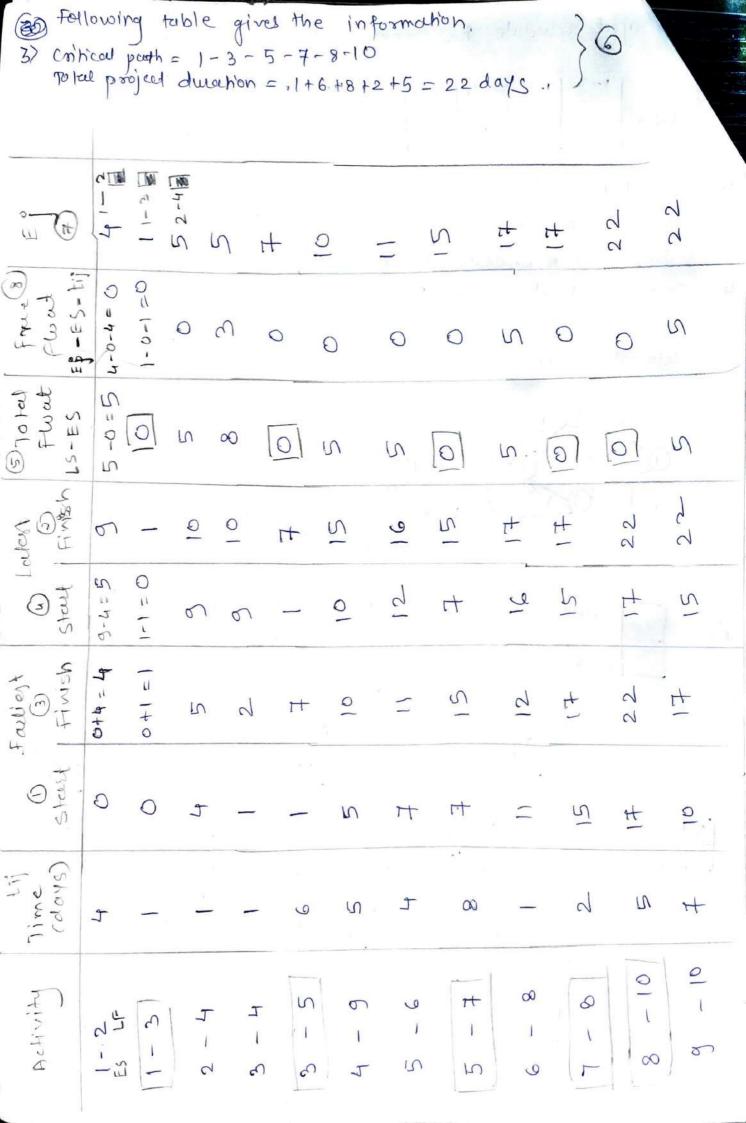
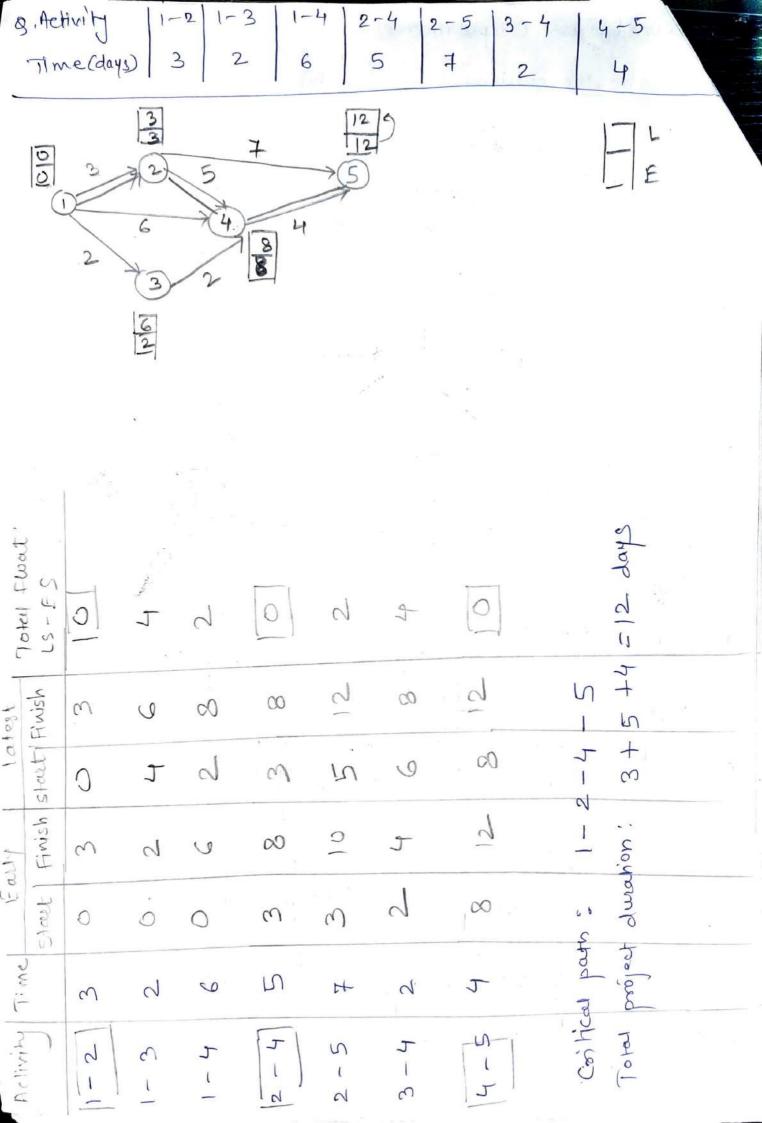
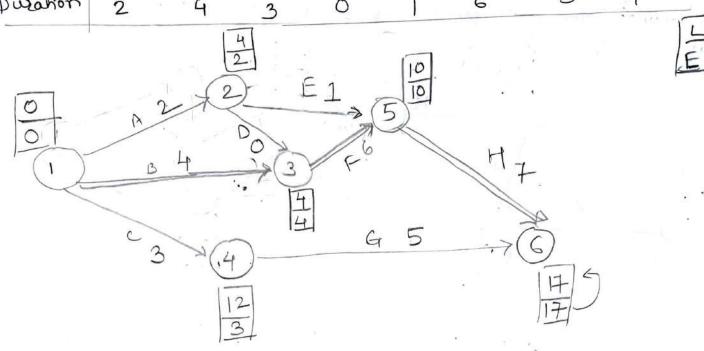
project schedule has the following characteristics:
1-2 1-3 2-4 3-4 3-5 4-9 5-6 5-7 6-8 7-8 8-10 9-10 ne(days) 4 1 1 1 6 5 4 8 1 2 5 7
1. Construct Metwork diagram. 2. Compute the earliest event time and latest event time
3. Determine the critical path and total project duration. 4. Compute total and free food for each activity.
1) Network diagram
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2) Latest time > 1st calculate earlist time  > men calculate latest time
$\begin{bmatrix} \frac{3}{4} \\ \frac{10}{4} \end{bmatrix}$
[0] 5 5 7 EE 10 5 7 FF 4 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Crotical Crotical Surat = 12 days TH
Path: Double Amow 1-3-5-7-8-10





g. The following data pertains to a small project. You are to draw the network diagram, find project duration and mark critical path.

Event	A	B	C	D	E	F	G	H
Activity	1-2	1-3	1-4	2-3	2-5	3-5	4-6	5-6
Dwarion	2	4	3	0	1	6	5	7



Activity	Time	Stail	aly Finish	Lates Stall	tioish)	Total	Fwat
1-2	2	8	12	. 2	- , 4.	2	,,,
	. 4	0	4 .	0,	-4	0	*
1-4	3	0	3	9	12	9	
2-3	٥	2_	2	4.	4	2	
2-5	1	2	3	9	10	7	* =
35	6	4	10	4	10	0	
4-6	5	3 .	8	12	17	9	
5-6	7	10	17	10	17	0	
-				1	1		

Coincol Path: 1-3-5-6

Total project puration: 4+6+7=17 days.

Consider a Project voluse activities are given below:										
Nativity	1-2	1-3	1-5	2-	3 /2-	-4 3	-4 3	-5 3-	6 4-6	5-6
· Duadion (in weeks	8	7	12	4	1	0	3	5 / 10	)   7)	4
9) Doaw the network ii) calculate Fauliest start, earliest finish, latest start & latest finish. iii) calculate Fauliest start, earliest finish, latest start & latest finish.										
ii) calculate faciliest start, earlies Times project iii) Determine the critical parts of the Project iv) calculate the total float, free float, independent float &										
iv) cal	rulate.	the to	tal fee	out, t	free	float,	indepen	dent f	<b>3</b> 000 <b>3</b>	
inter	fezing	froat	8			118	7			
		Į.	81	10	<del>' \</del>	(4) IL	1			
		الر	2)			**	7			
0	8/		4	/	3		1			
		7	3/2	_	10			25		
			15					25		
	12	5		u						
		1	5							
		ì	21					· cc_st)	(TF-FF	)
			国	Late	, + 1	70tal	Free	Todapen	Entergering	到
Activity	Time	Start 1	Finish	stell )	· 1-	feoat	Flood BI-B-Tij	Flood 0-0=0	prat -	8
51-2	8	0	8	0	8	0	0	5-0=5	-	12
1-3	7	0	7	8	15	9 *	5	5	4	17
1-5	12	8	12	11	15	3	0	0	3	12
2-3	10	8	18	8	18	0	0	0	0	18
3-4	3	12_	15	15	18	3	3	0	0	18
3 -5	5	12	17	16	21	4	O	-3	4 _	17
33-6	16	12	22	15	25	3	3	0	0	. 25
4-6	7	18	25	18	25	0	0	0	0	52
5-6	4	17	21	21	25	14/	4	0	O	28
, )	2		/\	/		/	1		J	1