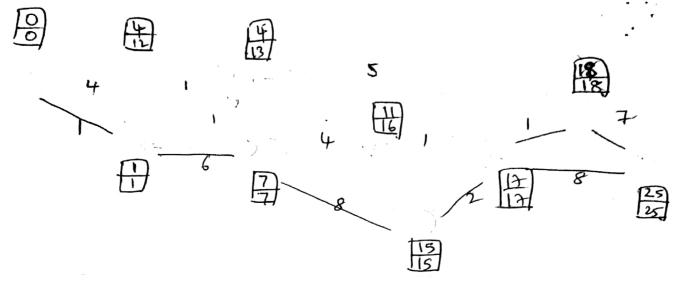
December 2017. 6) Draw the Network diagram and find the criticis patt. ABCDEFG Aduity C A,B E,D D Preduenos. Duration. 17) Dean the Network diagram and find out the certical path method and also find out the ES, EF, CS, LF and float.



Actually	Duretion (P)	EST	LST ( (LFF-D)	EFT ( (EST+D)	LFT	TF (LFT-EFT))	
1-2	4	0	8	4	12	(LST-EST)	
1-3	1	0	0	1	1	0	
2-4	1	4	12	5	13	8	
3-4	1	1	12	2_	13	11	
3-5	5	<u>,</u>	1	7	7	O	
4-9	5	4	13	9	18	9	
5-6.	4	7	12	11	16.	5	
5-7	, <del>8</del>	7	7	15	15	Ø	
6-8	<b>†</b> 1	11	16	12	17	5	
1-8	2_	15	15	17	17	0	
8-9	} 1	17	17	1.8	18	0	
8-10	8	17	17	18	25	0	
9-10	7	18	18	25	25	0	
	(		( "	1			

(14) Construct the natural and find the central path of
the natural and find total schede activities

Activity A B C D E F G H I J K.

Duration 13 8 10 9 11 10 8 6 7 14 18

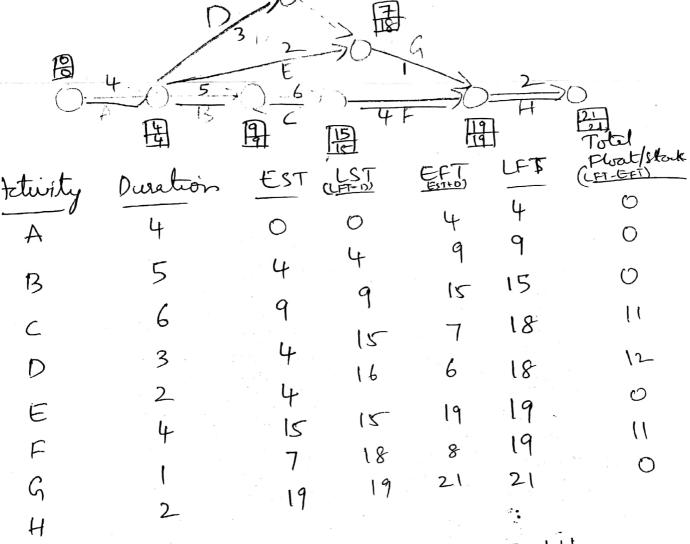
Predecend - A B C B E D, F E H G, I J.

			32 32	니		3 <u>8</u> 143
	哥 日	)	6	10.	7	82
<u></u>	0-13-12-	3 3	10-14)	9 3	8 >>	B- 14. 19 18:11
	<i>f</i>	21 21	31	(42) (42)	(۲.	50 64
Admity	Duration (D)	EST	LFT-D) LST	(ESTHD) EFT	LFT	Total Slack. (LFT-EFT on LST-EST)
Α	13	$\bigcirc$	O	13	13	O
В	8	13	13	21	21	0
15	10	21	23	31	33	2
C	9	31	33	40	42	_
Ŋ	, ,	21	21	32	32	$\mathfrak{S}$
E	( )		32	42	42	O
F	10	32	49	50	50	$\mathcal{O}$
G	8	42	34	38	43	5
H	6	32	43	45	50	5
I	7	38	50	64	64	. 🔿
J	14	ζο	684	82	82	O
K	ાક	.64 .	• ,			
Cost of T	outh (13 x2)	<u>-8-</u> -3-	11 -16-1	30 8	XD 14	<del>)</del> 9 18 0
duutio	18 (13) (2) (13) (2) (13 +	8 +11+	10+8+	-14 +18	= 2	82.

6)(a) Find the certical path of the network and find total slack. H F  $\mathcal{C}^{J}$ K E D 13 2 6 2 3 5 7 10 6 2 2 C,D C,DA,E GD G C,D H Ţ 13 B predecens. 5 (LFT-EFT) (LFT-D) TIFITS EST LST LFT 3 🦠 35  $\circ$ A 33 O -2\_  $\bigcirc$ B  $\Diamond$ 8 4 C  $\bigcirc$ ષ્ટ્ર 2 0 35 34 E 32 36 3 35 F 11 0 8 11 8 16 O 11 16 H 26. 0 10 16 u I 33 O 26. 25 33 7 36. J ·22 30 14 33 23 K 10 31 2 34 24 10 8 32 2 O 3 34 34 33 N 36. Ο, 36. 34 34. 2 0 -> B+D+G+ H+I+J+N+O. Rutical Path 2+6+3+5+10+7+1+2-2

16) (a) Find the certical path of the network and find total slack.

Activity	A	B	C	D	EF	G	H
Duretion	4	5	6	3	2 4	1	2
Predecenor.					B C		



Certical path method - A + B + C+F+H

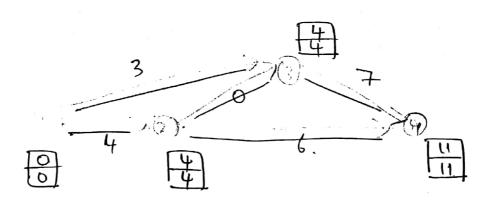
4 + 5 + 6 + 4 + 2 = 21.

Dec 2016

16) Draw the network diagrem. Determine critical path of Calculate ES, EF, LS, LF & floot.

Event 1				1-3	2-4
Duration	4	0	. 7	3	6.

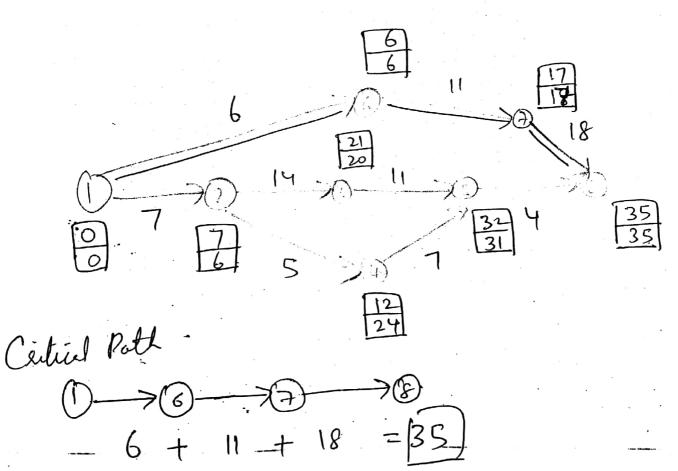
Activity	Duration	ES	£s.	EF	LF	Sleek/float
_1=2	4			4		O
2-3	6	4	4	4	4	O
	7	ال	4	11	(1	O
3-4	,	7	1	3	4	1
1-3	3	O .			411	(
2-4	6	4	>	<b>U</b>	·	



Critical Path

16) The following table shows time estimates. Men the hetwork deagues toxale the critical path & determin its length?

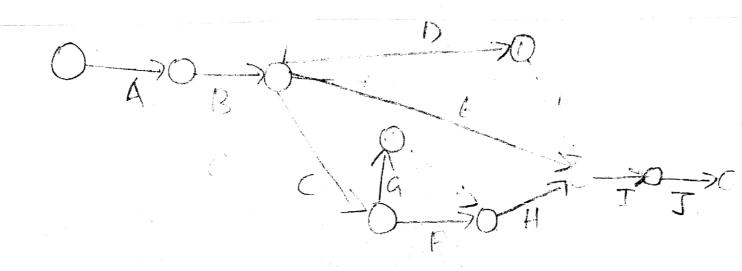
, 0				160+9Cm	1 /
Activity	to	bm	tp.	tel 6.	
1-2	3	6	15	. 47	
1-6	2	. 5	14	6	
2-3	6	12	30	14	
2-4	2	5	8	5	, ÷
3-5	5	11	17	\	Ť
4-5	3	6	15	7	
6 - 7	3	9	27	L <sub>P</sub>	
5-8	1	4	7	18	
7-8	4	19	28		



6. Given the project activities - Constant the network.

Activity A B C D E F G H I J

Predecensor - A B B B C C F,G DE,H I



2. Construct the peglet network and find out the Ceiteir Pate, float (fue & total) H I J F E C J.H A B F A D 106 13 (0 2 7 2 TF-(L-E)7 Float EFT (Esi+D) A 12 13 2+2=4 2 19 ノチ 10. 0-0-0 8 6 り 12 19 8 E 9 22 12 12 F 14 16. 14 4-3-21 0 G 16. 12 2 H 22 3 3-320  ${\mathbb T}$ 16  $\circ$ 3 17

Scanned by CamScanner

16) Constant the network and find the certical path of the project. 2-4 3-4 3-5 4-9 5-6 5-7 6-8 7-8 1-3 Duretion 1 6 Activity 8-10 9-10. Duetin 5 Activity Dureltin 1-2 1-3 2-4 3-4 3 - 5 4-9 5-6 5-7 6-8 7-8 2 8-10 9-10 + 8

EST, LFT and calculate floats (Free 4 total) for non-cutival Admitter

Activity 1-2 2-3 3-4 2-4 4-5 2-5 5-8 5-6 6-8 5-7 7-8 8-9 9-10

Name A B C D E F G H I J K L M

reation 2 4 10 4 10 5 36 12 4 12 8 6 12

	2 日	4 5		12	38 <del>98</del> 	<b>E E E E E E E E E E</b>	[58] [68]	180 180
HITT KLM	Duestion 2 4 10 4 10 5 36 12 4 12 8 6 12	EST 0 2 6 2 16 2 26 38 26. 38 62 68	LST 0 2 6 12 16 21 26 46 58 4 5 68	EFT 2 6 16 6 21 7 82 8 4 6 8 8 8	LFT 2 6 16 16 26 26 26 28 62 89°.	Teller 0 0 0 10 0 19 0 20 16 16 0 0	19-(0) = [ 19-(0) = [ 20-02 20-02 16-16= 16-0	

Cital Patt = A -) B -) C-) E-) G-) L-) M 2+ 4+10+10+36+6+12 2 80.