-using	NWM :-				
Factory	A	13	C	a	Supply
1	4 80	7 20	7 ×	1 ×	1962\$0
2	12×	3 70	8 120	8 10	296 136 16 0
3	8 ×	10 ×	16 ×	5 150	-1560
Demand	86.4	96	128	160/150	450

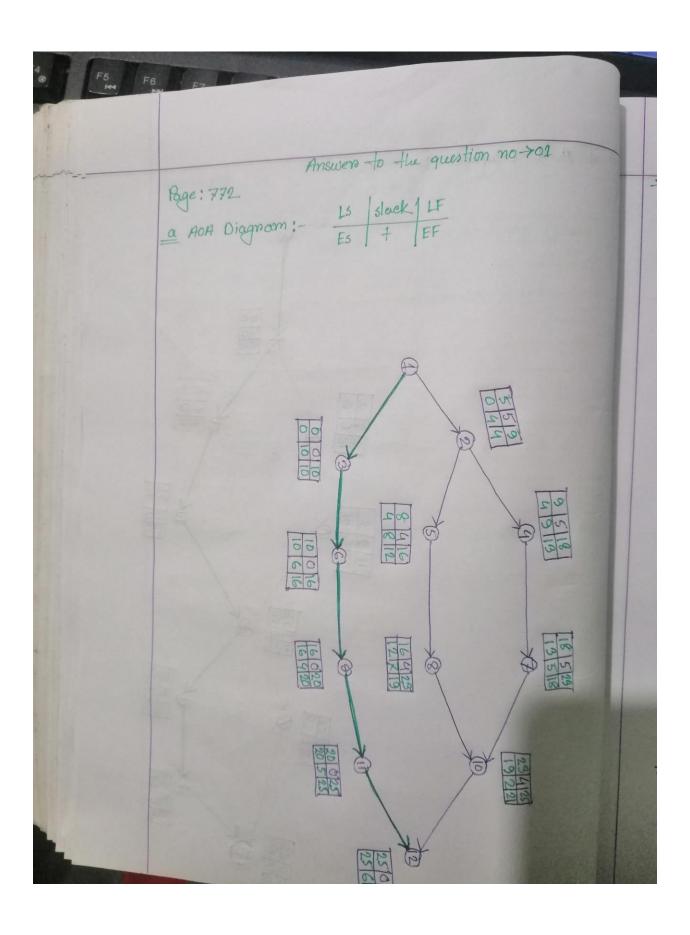
Tusing North-West method, we confindout the Jactory total cost-50, total cost is = (80×4)+(20×7)+(70×3)+(120×8)+(10×8) -+(150×5)

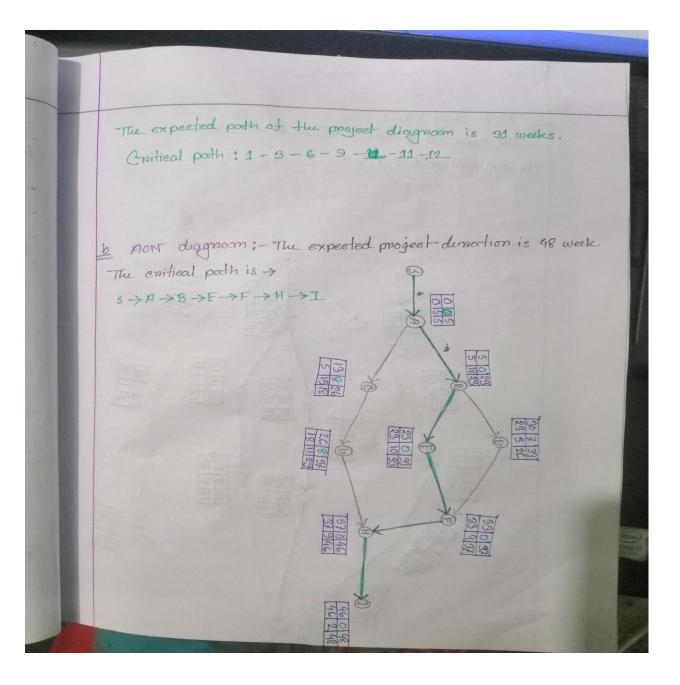
= 2460 - Utan

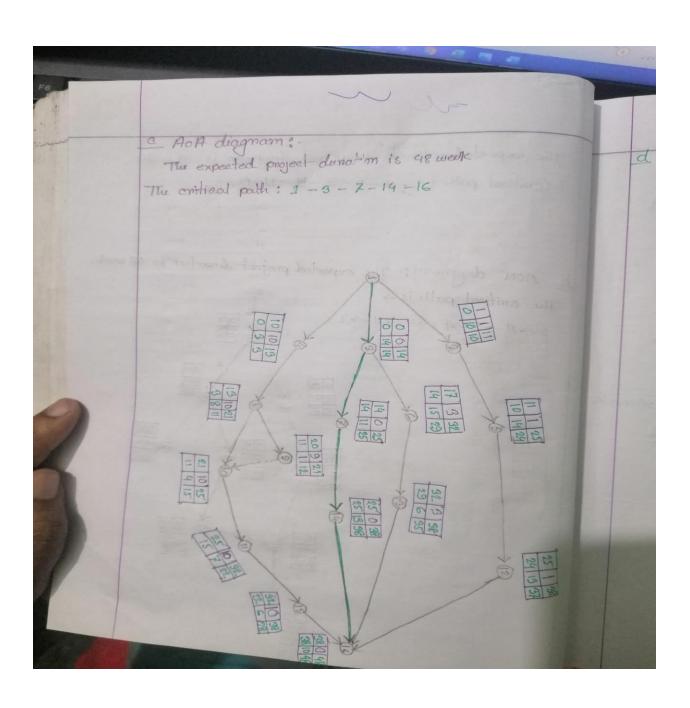
Least cost method:

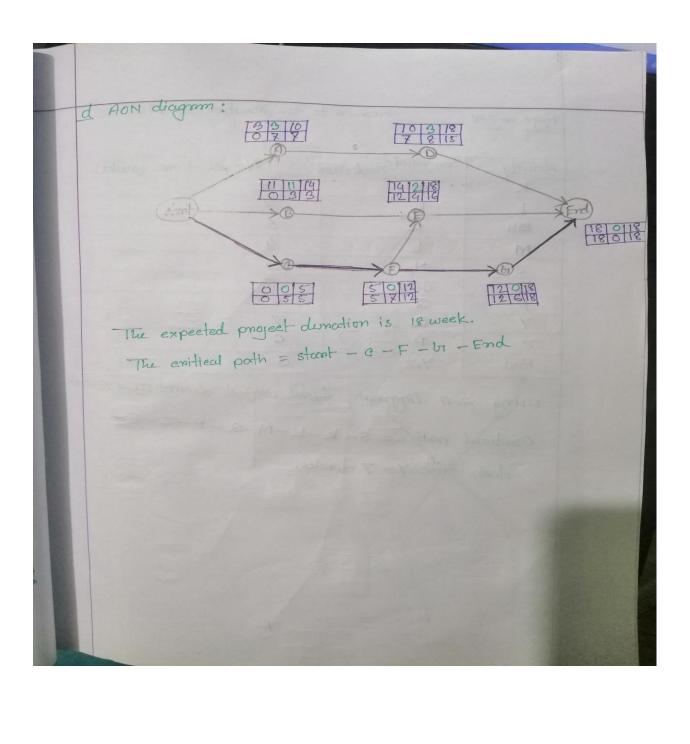
1	,			a	Supply
	4 X	7 ×	7 ×	1 100	1000
2 1	2 ×	3 190	8 110	8 ×	206 116 0
3 8	80	10 x	16 10	100	150 90 100
Demond &	88	98	125	106	450

Total cost is = (80×8) + (90×3) + (10×8) + (10×10) + (100×1) + (60×5) = 2550 - 2701









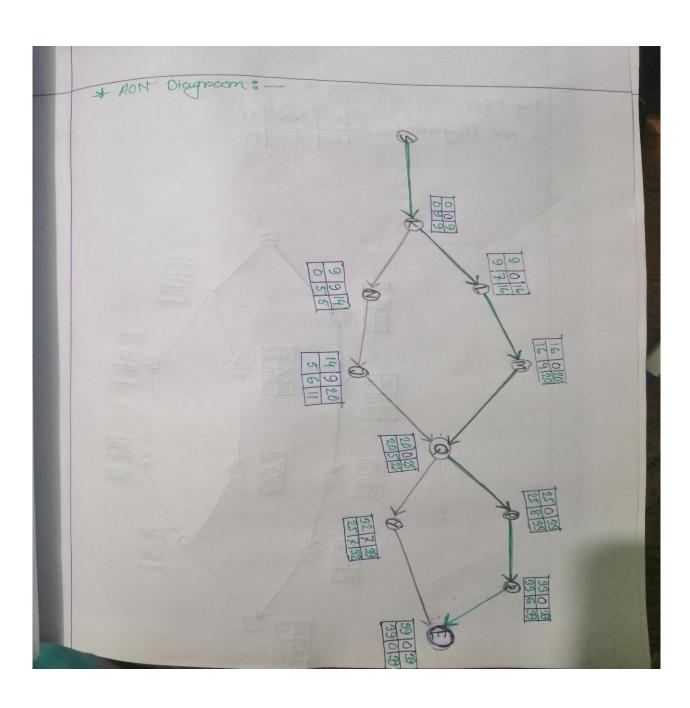
Answer to the question no > 16

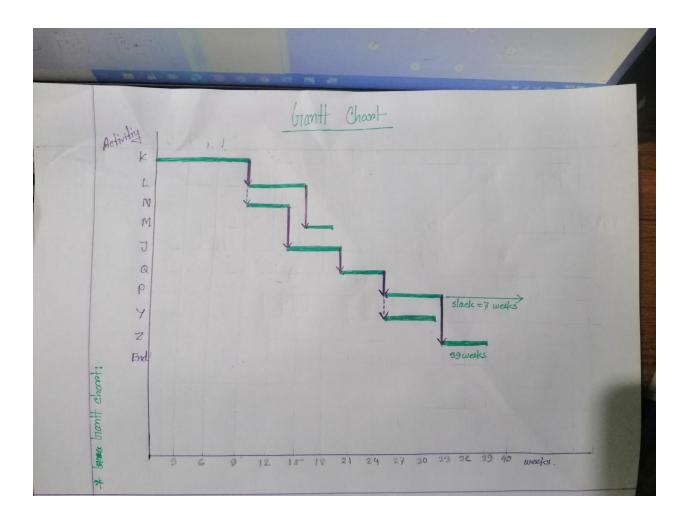
Page > 778

a 1. st	Immediate Predicessor	Normal time (weeks)
delivity	Inedicessur	9
K		7
1	K	*
<u></u>	K	5
BAN		4
M	1	
7	N	6
a	J,M	5
		8
P	Q	7
Y	Q	X .
Z	P	G
End	Y,Z	O CONTRACTOR OF THE CONTRACTOR

Conitical path = S-K-L-M-Q-P-Z-End

Slack time 7 = 7 weeks.





## CPM-costest \$ slide -05

Activity	Predecessors	Dunation (weeks)	Planned Reasource
A	Witness	9	Bw, 2mE, 1 Anchit 10P, 1comp
B	BADKERS	15 0011	10w, 1 ME, 1Execuration, 10 truck Earth
C	B	6	4W, 3ME, 2 Comp, 20P
D	A	4	5W, 1ME, 100 mess, 500 M Inonwine
E	C	2	4w, 1ME, sopole, 200mBan, som els
F	C	4	4w. 2mE, so pole Bro, so bags cem, so oft sand
61	n	5	2W, 1ME, 180etl-Aggnegate, 5-ton Rod, 30 bogs Com
1-1	D		GW, 2ME, 5000 Br, 250 bags cem, 150 cff sand
1	F. 61	8	ow, 2ME, 8000 Br, 400 bags com, 250 colf sand 50 ton Rod, 150 colf Approvede.
J	E	4	4w, 1 mE, 2 Ele, 2 pF, soom wine, 400 m pipe
K	H	2	8W, 50 bags com.

a Total cost of activities and the project is given below.

$$A = (3\times4\times6\times8\times1.5) + (4\times2\times\frac{1100}{4}) + (1\times2000) + (4\times1\times6\times8\times2)$$

+ (1×4×6×8×3)

= \$ 6024

$$B = (10 \times 5 \times 6 \times 8 \times 1'5) + (1 \times 5 \times \frac{1100}{4}) + (1 \times 5 \times 6 \times 8 \times 10) + (10 \times 125)$$

= \$ 8625

$$C = (4 \times 6 \times 6 \times 8 \times 1^{15}) + (8 \times 6 \times \frac{1100}{4}) + (2 \times 6 \times 6 \times 8 \times 2)$$

$$+ (2 \times 6 \times 8 \times 8 \times 2)$$

$$= $9558$$

$$0 = (6 \times 4 \times 6 \times 8 \times 1^{15}) + (1 \times 4 \times \frac{1100}{4}) + (100 \times 1^{15}) + (5000 \times 0^{13})$$

$$= $2840$$

$$E = (4 \times 2 \times 6 \times 8 \times 1^{15}) + (1 \times 2 \times \frac{1100}{4}) + (50 \times 75) + (200 \times 3)$$

$$+ (50 \times 1^{15})$$

$$= $6551$$

$$F = (4 \times 4 \times 6 \times 8 \times 1^{15}) + (2 \times 4 \times \frac{1100}{4}) + (2000 \times 0^{14}) + (60 \times 5)$$

$$+ (50 \times 0^{12})$$

$$= $9812$$

$$0 = (2 \times 5 \times 6 \times 8 \times 1^{15}) + (1 \times 5 \times \frac{1100}{4}) + (180 \times 2) + (800 \times 5)$$

$$+ (300 \times 5)$$

$$H = (6 \times 6 \times 8 \times 1^{15}) + (2 \times 6 \times \frac{1100}{4}) + (5000 \times 0^{14}) + (250 \times 5)$$

$$+ (150 \times 0^{12})$$

$$= $4726$$

```
I = (3x8x6x8x1.5) + (2x8x 1100) + (8000 x0.1) + (400x5)
       + (250×0·2) + (50×800) + (150×2)
      = $ 49278 1
J= (4x4x6x8×1.5) + (1x4x 1100) + (2x4x6x8x3)
       + (2x6 x8x3) + (500 x 0.4) + (400 x 0.5)
     = $ 4092 1
   K = (8x2x6x8x1.5) + (50x5)
       = $ 1402
        The total project cost estination = $ 102513 1
  Cost of 10 weeks = costofA + cost of B+ cost of c + cost of D
   + (2/5) cost of by + (2/3) cost of 14.
     = 6024 +8625 + 5/6 × 9558 + 2840 + 2/5 × 6605 + (2/3) × 4725
     = $ 31.25 × 103
  Cost of last 10 weeks = (3/4) of cost F + cost of I + cost of J.
                    = 2/4 × 3812 + 49278 + 4092
                    = $ 55276 1
```

