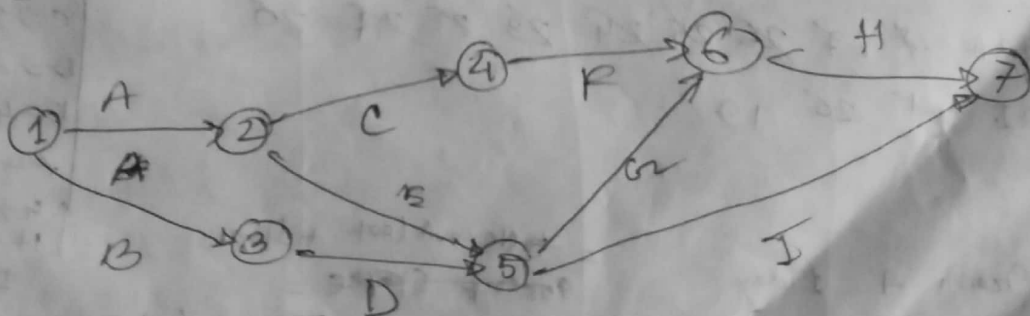


BSE 0317  
Amreen Hossain

Activity	Time		Cost		Cost slope	Effective cost slope	Remaining days
	Normal	Crash	Normal	Crash			
A (1-2)	8	4	3000	6000	750	250	4
B (1-3)	5	3	4000	8000	2000	1000	2
C (2-4)	9	6	4000	5500	500	500	3
D (3-5)	7	5	2000	3200	600	300	2
E (2-5)	5	1	8000	12000	1000	500	4
F (4-6)	3	2 $\frac{1}{2}$	10000	11200	2400	2400	- $\frac{1}{2}$
G (5-6)	6	2	4000	6800	700	350	-4
H (6-7)	10	7	6000	8700	900	300	3
I (5-7)	9	5	4200	9000	1200	600	4

45200 70,400



$$A \rightarrow C \rightarrow F \rightarrow H = 30$$

$$B \rightarrow D \rightarrow I = 21$$

$$A \rightarrow E \rightarrow G \rightarrow H = 29$$

$$A \rightarrow E \rightarrow I = 22$$

$$B \rightarrow D \rightarrow G \rightarrow H = 28$$

Activity	Path required reduction					Est. Step	Est. Step	Time remaining
	A→C→F→H	A→E→G→H	A→E→I	B→D→I	B→D→G→H			
A	4	4	4			750	250	4
B				2	2	2000	1000	2
C	3					500	500	3
D				2	2	600	300	2
E		4	4			1000	500	4
F	1/2					2400	2400	1/2
G		4			4	700	350	4
H	3	3			3	900	300	3
I			4	4		1200	600	4

(C.P.)  
A→C→F→H - 30 25 28 27 26 25 24 23 22 21 20 19 1/2  
A→E→G→H - 28 28 27 26 25 24 23 22 21 20 19 18 1/2  
A→E→I - 22 21 20 19 18

B→D→I - 21 20 19  
B→D→G→H - 28 27 26 25 24 23 22 21 20 19 1/2

A→ 4 3 2 1 0  
B→ 2  
C→ 3 2 1 0  
D→ 2 1 0  
E→ 4

F→ 1/2 0  
G→ 4 3 2 1 1/2  
H→ 3 2 1 0  
I→ 4

①\* Crash A by 1 day  $45200 + 750 = 45950$

② Crash A by 1 day  $45950 + 750 = 46700$

③ two Critical path (A → C → E → H, B → D → G → H)

Crash H by 3 day  $46700 + 3 \times 900 = 49400$

④ Crash A, D by 1 day  $= 49400 + 750 + 600 = 50750$

⑤ Crash A, D by 1 day  $= 50750 + 750 + 600 = 52100$

⑥ Crash C, E by 1 day  $= 52100 + 500 + 700 = 53300$

⑦ Crash C, E by 1 day  $= 53300 + 500 + 700 = 54500$

**NESO**  
Naproxen & Esomeprazole



⑧ Crash C, G by 1 day  
 $54500 + 500 + 700$   
 $= 55700$

⑨ Crash F, H by  $\frac{1}{2}$  day =  $53700 + \frac{1}{2} \times 2400$   
 $+ 700 \times \frac{1}{2}$   
 $= 57250$

∴ Total Crash =  $10\frac{1}{2}$  days;  
 Remains =  $(30 - 10\frac{1}{2}) = 19\frac{1}{2}$  days

Indirect Cost =  $19\frac{1}{2} \times 2000 = 39000$

Total Cost =  $57250 + 39000 = 96250$

Ⓐ Premium Value calculation:

$4\frac{1}{2}$  days earlier:

Value =  $4\frac{1}{2} \times 50000$   
 $= 225000 \text{ £}$