

SID: 480110301

**Question1**

Activity	Duration	ES	EF	LS	LF	Slack	Critical
A	4	0	4	0	4	0	yes
B	4	4	8	4	8	0	yes
C	7	4	11	4	11	0	yes
D	10	8	18	8	18	0	yes
E	8	8	16	10	18	2	no
F	7	11	18	11	18	0	yes
G	5	18	23	18	23	0	yes

There are two critical path: A-B-E-G and A-C-F-G.

**Crashing:**

Path	Duration	D & F	G	B & F
ABDG	23	22	21	20
ABEG	21	21	20	19
ACFG	23	22	21	20
<b>Crashing cost</b>		800	900	1100

After crashing, the completion time can be reduced to 20 days at a total crashing cost of \$2800.