

PROJECT PLANNING - CPM ORIGINAL DATA

Title: Practical 3 Q1

Activity	Symbol	Duration
1 - 2	A	4.00
1 - 3	B	12.00
1 - 4	C	10.00
2 - 4	D	8.00
2 - 5	E	6.00
3 - 6	F	8.00
4 - 6	G	10.00
5 - 7	H	10.00
6 - 7	I	0.00
6 - 8	J	8.00
7 - 8	K	10.00
8 - 9	L	6.00

PROJECT PLANNING - CPM SCHEDULE

Title: Practical 3 Q1

Activity	Symbol	Duration	Earliest Start	Latest Finish	Total Float	Free Float
c 1-2	A	4.00	0.00	4.00	0.00	0.00
1-3	B	12.00	0.00	14.00	2.00	0.00
1-4	C	10.00	0.00	12.00	2.00	2.00
c 2-4	D	8.00	4.00	12.00	0.00	0.00
2-5	E	6.00	4.00	12.00	2.00	0.00
3-6	F	8.00	12.00	22.00	2.00	2.00
c 4-6	G	10.00	12.00	22.00	0.00	0.00
5-7	H	10.00	10.00	22.00	2.00	2.00
c 6-7	I	0.00	22.00	22.00	0.00	0.00
6-8	J	8.00	22.00	32.00	2.00	2.00
c 7-8	K	10.00	22.00	32.00	0.00	0.00
c 8-9	L	6.00	32.00	38.00	0.00	0.00

CRITICAL PATH : 1 – 2 – 4 – 6 – 7 – 8 – 9

TOTAL DURATION = (4+8+10+0+10+6) = 38 HRS

PROJECT PLANNING - CPM ORIGINAL DATA

Title: PRACTICAL 3 Q2

Activity	Symbol	Duration
1 - 2	A	10.00
1 - 3	B	4.00
1 - 4	C	6.00
2 - 3	D	5.00
2 - 5	E	12.00
2 - 6	F	9.00
3 - 7	G	12.00
4 - 5	H	15.00
5 - 6	I	6.00
6 - 7	J	5.00
6 - 8	K	4.00
7 - 8	L	7.00

PROJECT PLANNING - CPM SCHEDULE

Title: PRACTICAL 3 Q2

Activity	Symbol	Duration	Earliest Start	Latest Finish	Total Float	Free Float
c 1-2	A	10.00	0.00	10.00	0.00	0.00
1-3	B	4.00	0.00	21.00	17.00	11.00
1-4	C	6.00	0.00	7.00	1.00	0.00
2-3	D	5.00	10.00	21.00	6.00	0.00
c 2-5	E	12.00	10.00	22.00	0.00	0.00
2-6	F	9.00	10.00	28.00	9.00	9.00
3-7	G	12.00	15.00	33.00	6.00	6.00
4-5	H	15.00	6.00	22.00	1.00	1.00
c 5-6	I	6.00	22.00	28.00	0.00	0.00
c 6-7	J	5.00	28.00	33.00	0.00	0.00
6-8	K	4.00	28.00	40.00	8.00	8.00
c 7-8	L	7.00	33.00	40.00	0.00	0.00

CRITICAL PATH : 1 – 2 – 5 – 6 – 7 – 8

TOTAL DURATION = (10+12+6+5+7) = 40 DAYS