

Write down your name and roll number on top.

**Time
Allowed: 30 minutes**

Total marks: 10

Using the PERT activity estimates and precedence requirements given below, create a PERT network using activity-on-arrow technique. Show the expected durations and standard deviations for the activities and events. **Show the formulas used for calculations and the methodology of work. Be careful while putting values in formulas, wrong calculations will not be rewarded.**

Activity	Activity Description	Activity Durations (Weeks)			Precedents
		Optimistic	Most likely	Pessimistic	
A	Hardware Selection	5	6	8	
B	Software design	3	4	5	
C	Install hardware	2	3	3	A
D	Code and test software	3.5	4	5	B
E	File take-on	1	3	4	B
F	Write user manuals	8	10	15	
G	User training	2	3	4	E,F
H	Install and test system	2	2	2.5	C,D

Use the following labeling convention:

Even Number	Target Date
Expected date	Standard Deviation