

e.g. For a given project was estimated with a size of 300 Kloc. calculate the effort, scheduled time for development by considering the developer having high application experience & very low experience in programming.

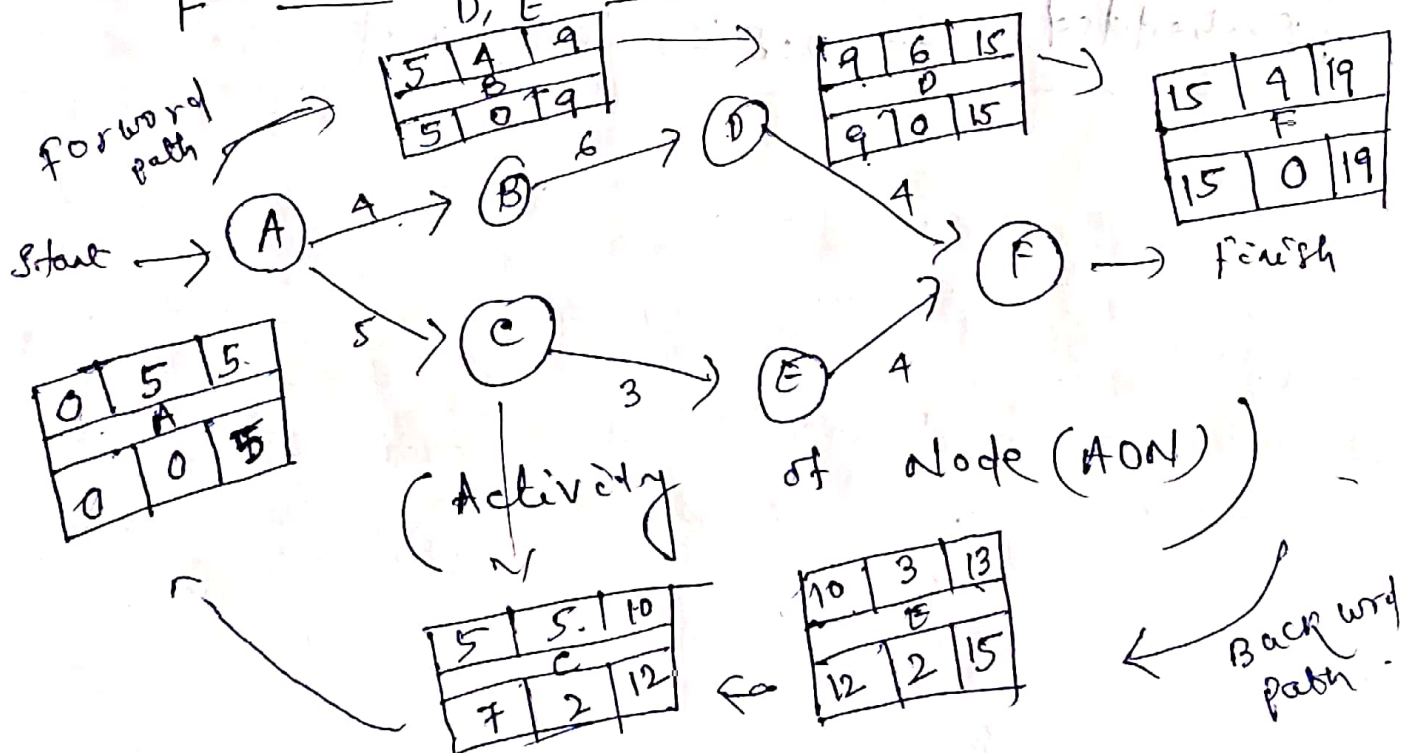
PERT CPM (critical path method)

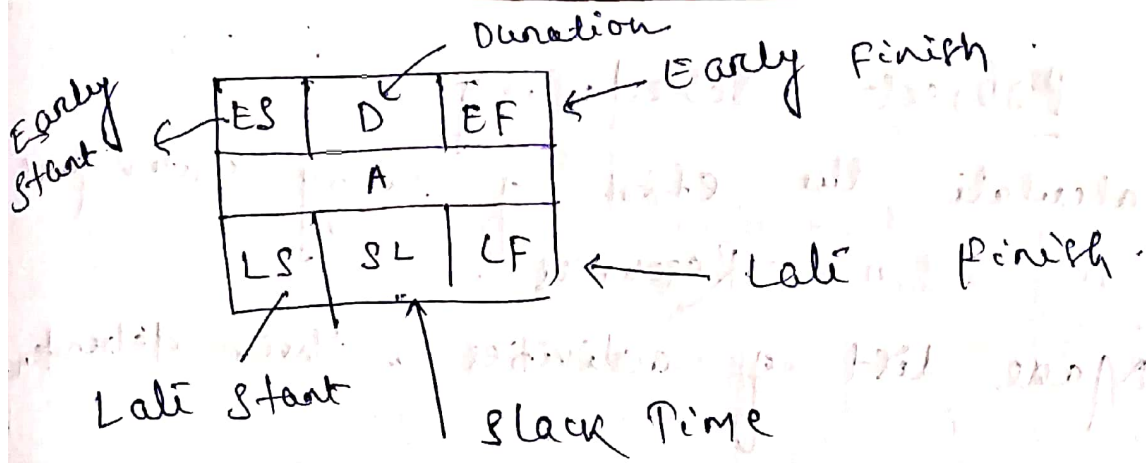
Q)

Do CPM Analysis & identify the critical path of project.

Activity Predecessor Duration (in Month)

A	—	5
B	A	4
C	A	5
D	B	6
E	C	3
F	D, E	4





Step 1 — (1) calculate the above for each node
 i.e. in forward path calculate ES, D, EF
 & in backward path calculate LF, SL & LS.

Step 2

$$SL = LF - EF$$

$$LS = LF - D$$

Find the critical method

- a) $A \rightarrow B \rightarrow D \rightarrow F = 14$ ✓
 b) $A \rightarrow C \rightarrow E \rightarrow F = 12$

Critical path is the path when slack times are zero. So, $A \rightarrow B \rightarrow D \rightarrow F$ is the critical path.