

SPM Tutorial

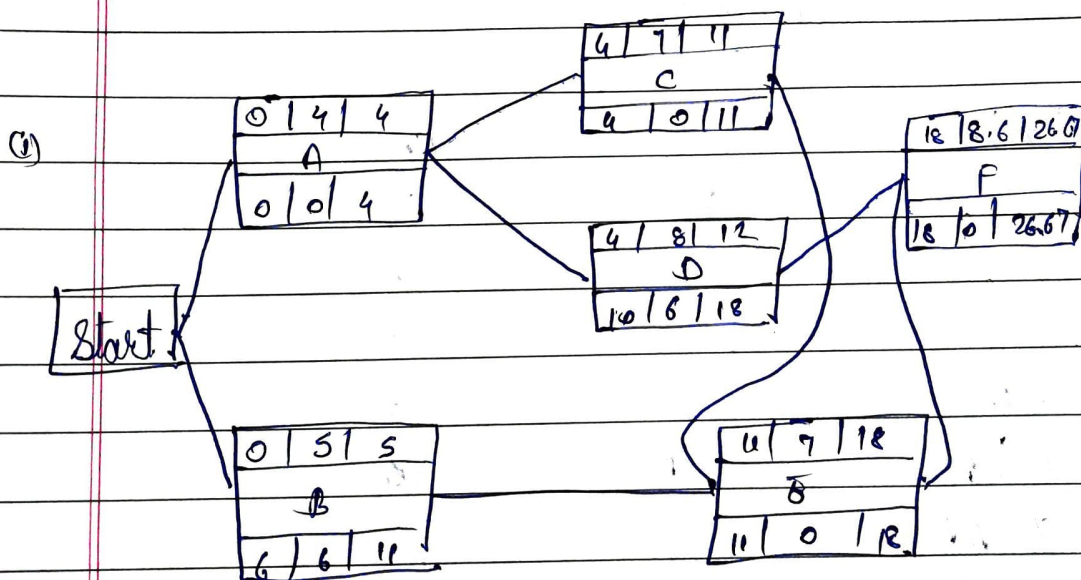
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Q3

Activity	Predecessor activity	Optimistic Time (a)	Most likely Time (m)	Expected Time (te)	Pessimistic Time (b)	Expected time (te)
A	-	2	4		6	4
B	-	3	5		7	5
C	A	5	6		13	7
D	A	4	8		12	8
E	B, C	5	6		13	7
F	D, E	6	8		14	8.67



Standard deviation

$$\sigma = (b - a) / 6$$

$$0.67$$

$$0.67$$

$$1.33$$

$$1.33$$

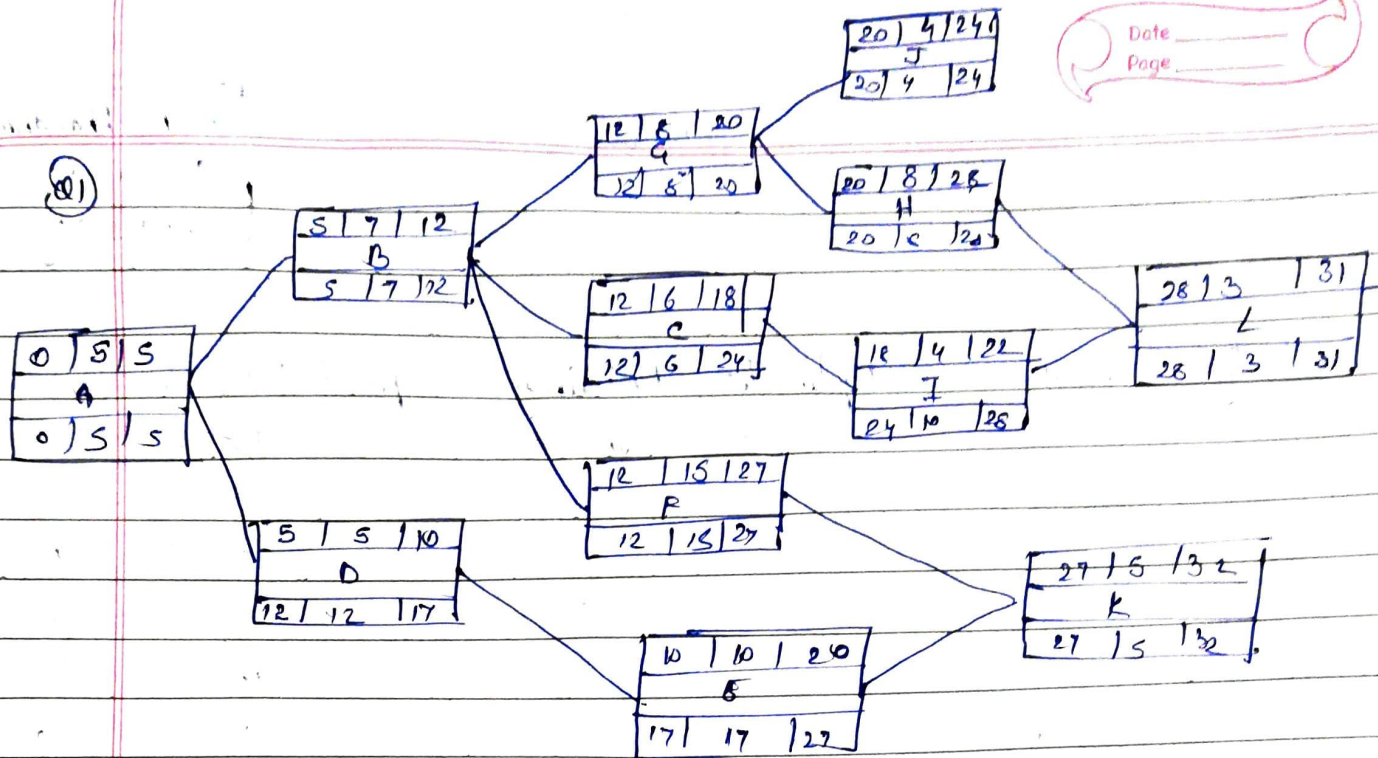
$$1.33$$

$$1.33$$

(ii) critical path \Rightarrow ACBFNon-critical path \Rightarrow ADF, BEF

(iii) It will take 38 weeks. ~~6 weeks more than~~
to complete it.

Q1



Q2

Activity

Predecessor

T

S - specification

A

S

14

B

S

10

C

S

10

D - Hardware

S

10

E - unit test 1

A, B

14

F - unit test 2

C

8

G - integration

D, E, F

21

