

S.P.M. Q12

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10's

Q1:-

Start A  $\Rightarrow$  3 weeks

B  $\Rightarrow$  4

A-C  $\Rightarrow$  3

B-C  $\Rightarrow$  Dummy

B-E  $\Rightarrow$  2

C-D  $\Rightarrow$  2

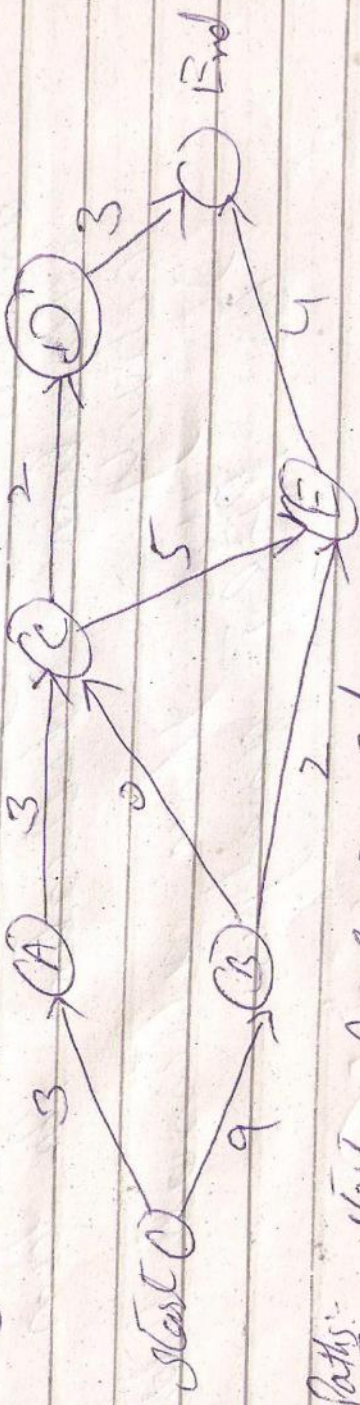
C-B  $\Rightarrow$  5

B-End  $\Rightarrow$  4

D-End  $\Rightarrow$  7

15

Solution:-



Paths:-

Start  $\rightarrow$  A  $\rightarrow$  C  $\rightarrow$  D  $\rightarrow$  End

$3+3+2+3=11$

Start  $\rightarrow$  A  $\rightarrow$  C  $\rightarrow$  E  $\rightarrow$  End

$3+3+5+4=15$

Start  $\rightarrow$  B  $\rightarrow$  E  $\rightarrow$  End

$4+2+4=10$

Start  $\rightarrow$  B  $\rightarrow$  C  $\rightarrow$  D  $\rightarrow$  End

$4+0+2+3=9$

Start  $\rightarrow$  B  $\rightarrow$  C  $\rightarrow$  E  $\rightarrow$  End

$4+0+5+4=13$

So

Start  $\rightarrow$  B  $\rightarrow$  C  $\rightarrow$  E  $\rightarrow$  End is the critical path.

100% Marks