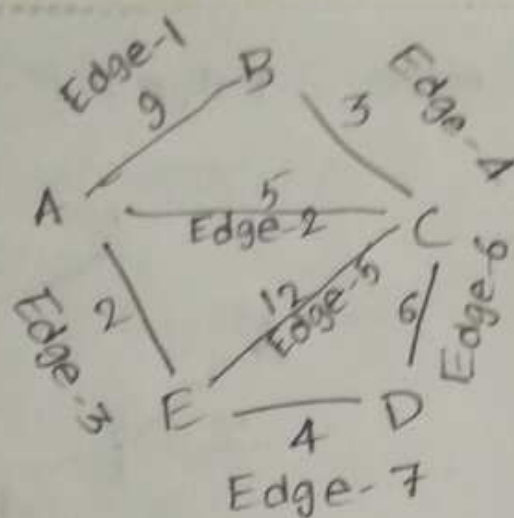


7or)



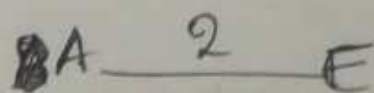
Listing weights of all edges

9, 5, 2, 3, 12, 6, 4

Lets define edge set (ES) = { } .

1. pick smallest edge, edge-3 with weigh 2  
& add to ES

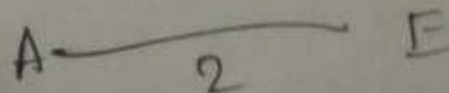
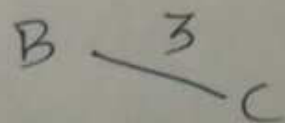
Now ES = { 2 }  
Edge-3



- pick next smallest edge, edge-4

Add it to ES

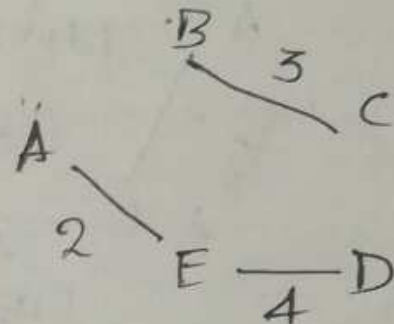
ES = { 2, 3 }  
Edge-3  
Edge-4



3. pick next smallest edge, Edge-7

$$ES = \{2, 3, 4\}$$

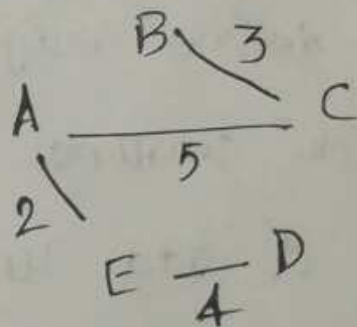
Edge-3  
Edge-4  
Edge-7



4. Pick next smallest edge, Edge-2

$$ES = \{2, 3, 4, 5\}$$

Edge-3  
Edge-4  
Edge-7  
Edge-2



Reached edge count = 4 = (N-1)

Hence stop.

Edges in order = { Edge 3, Edge-4, Edge-7,  
Edge-2 }

= { AE, BC, ED, AC }