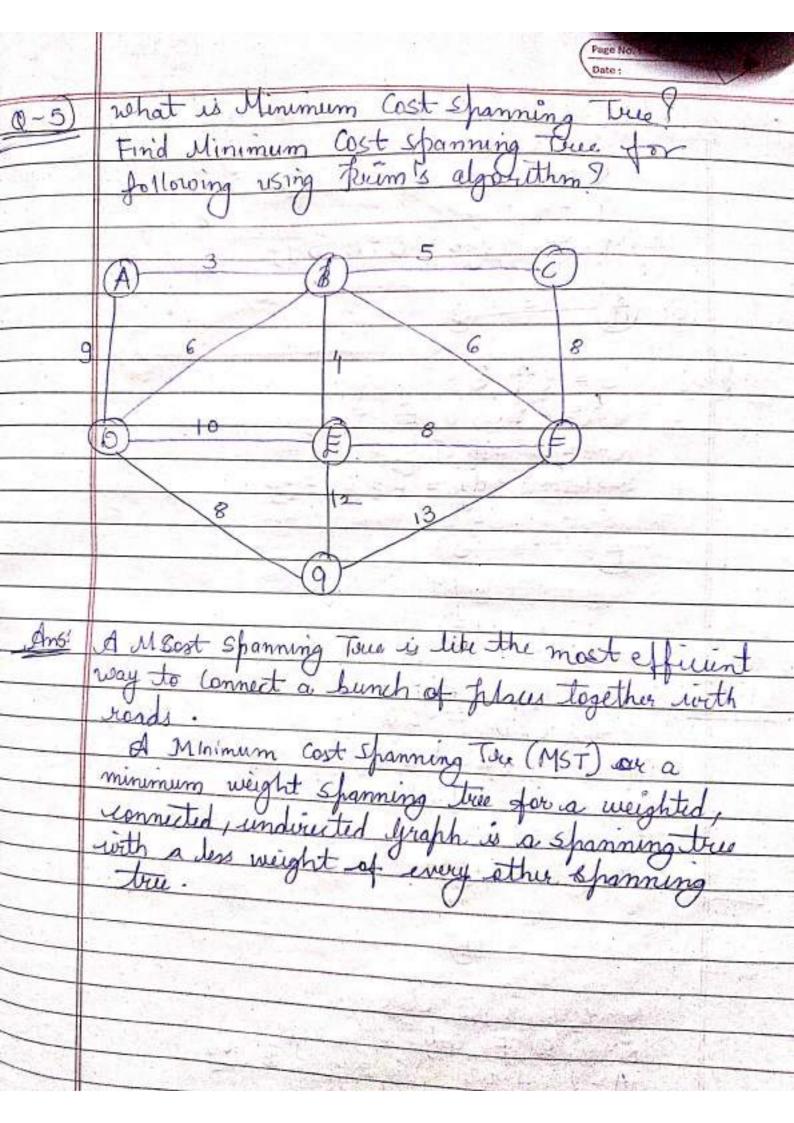
Uni	t-3)
(Q-1) W.	Find optimal knapsack rusing greedy strategy  n=+, m=15  0= \( \frac{1}{4}, 2, 3, 4, 5, 6, 7\)  ight = \( \frac{1}{2}, 3, 5, 7, 1; 4, 1\)  nt = \( \frac{1}{2}0, 5, 15, 7, 6, 18, 3\)
Strb -	1): Computer for unit weight Good
ο β(j)= <u>P(i)</u> δ(j)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Sups	Sort or swange object in discending order
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5+b-	Pack I tem objects into greedy strategy  i = 1  tohite (10 0) while (w 70)  do ant < min (w, w(i))  solution (1) < ant
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		Michigan Company			

Each items into knapsack into your w,w(i) solution(i) + amt m=15 Jy 8 6 2 Jotal Brofit = (5x2)+(3.3x6)+ (3·2 x5) + Lotal Bufit = 51.8 Find the optimal solution to the fractional Knapsack of the Knapsack rapacity w=60 kg. Iy Weight 5 10 25 90

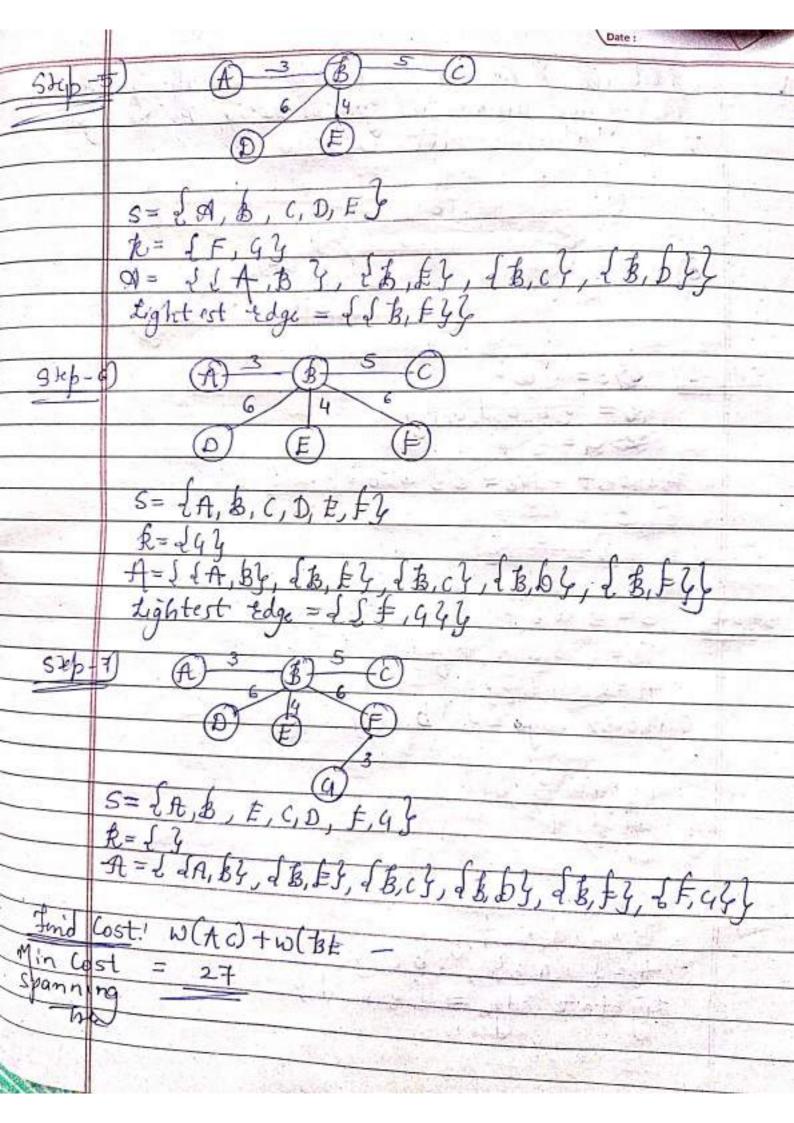
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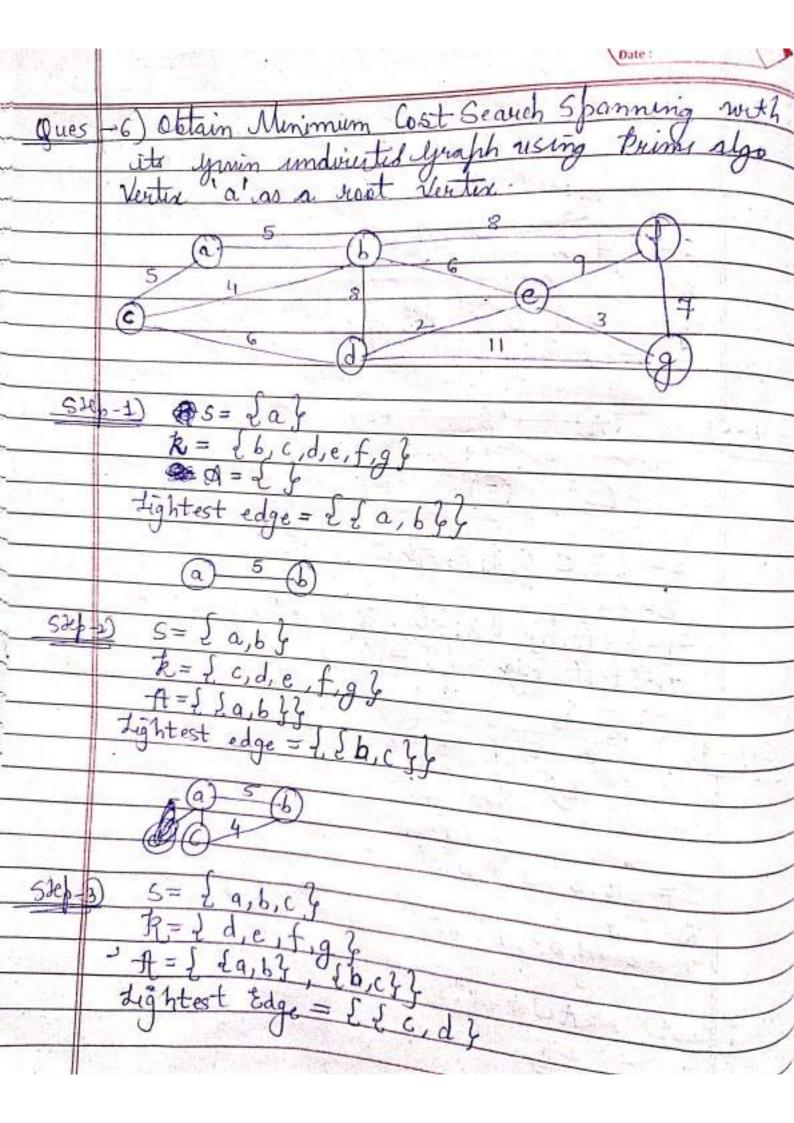


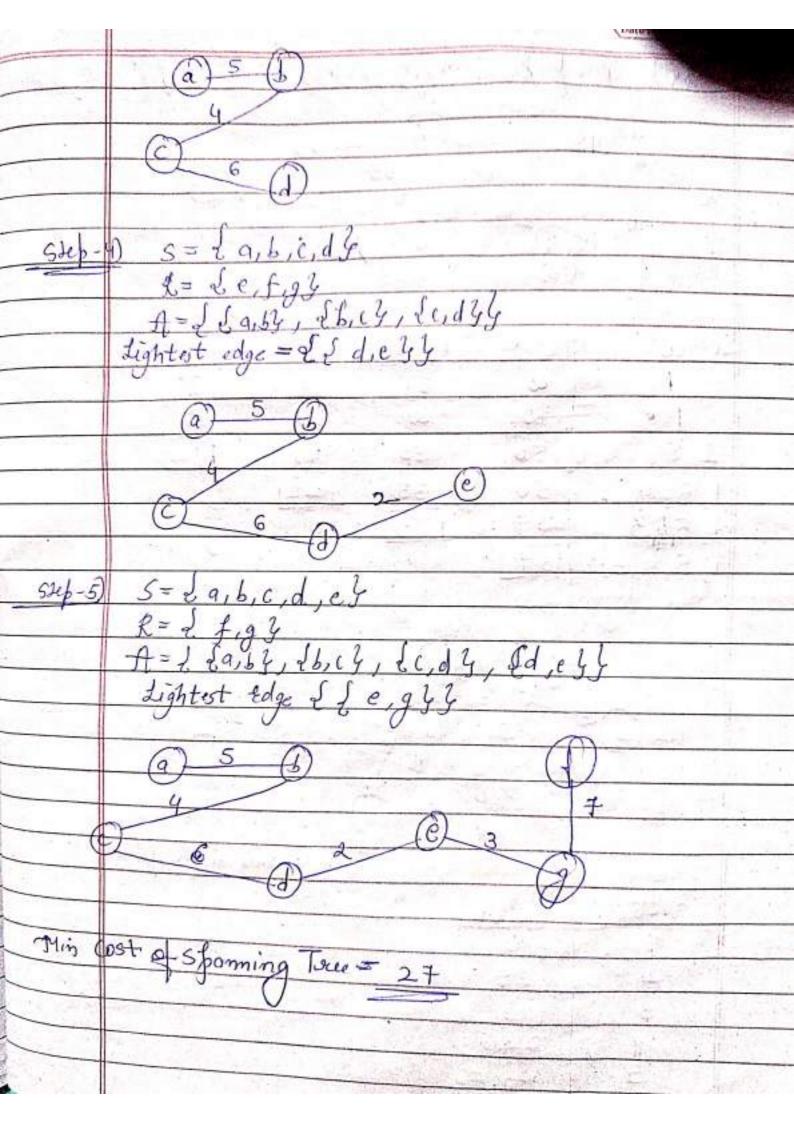
 $S = \{A\}$   $R = \{B, C, D, E, F, 4\}$   $A = \{\}$   $Lightest edge = \{\}A, B\}$ Step 21 R= {\$C,D,E,F,4} A= { {A, B}, Lightest ridge = \$ {B, E}} Step-3  $k = \{C, D, f, q\}$   $A = \{AAB\}, \{B, f\}$ Lightest edge =  $\{B, C\}\}$ Steb-4) -(C) S= {A, B, E, C } R= & D, E, G Y

A= { (A, B), { B, E}, { B, c}}

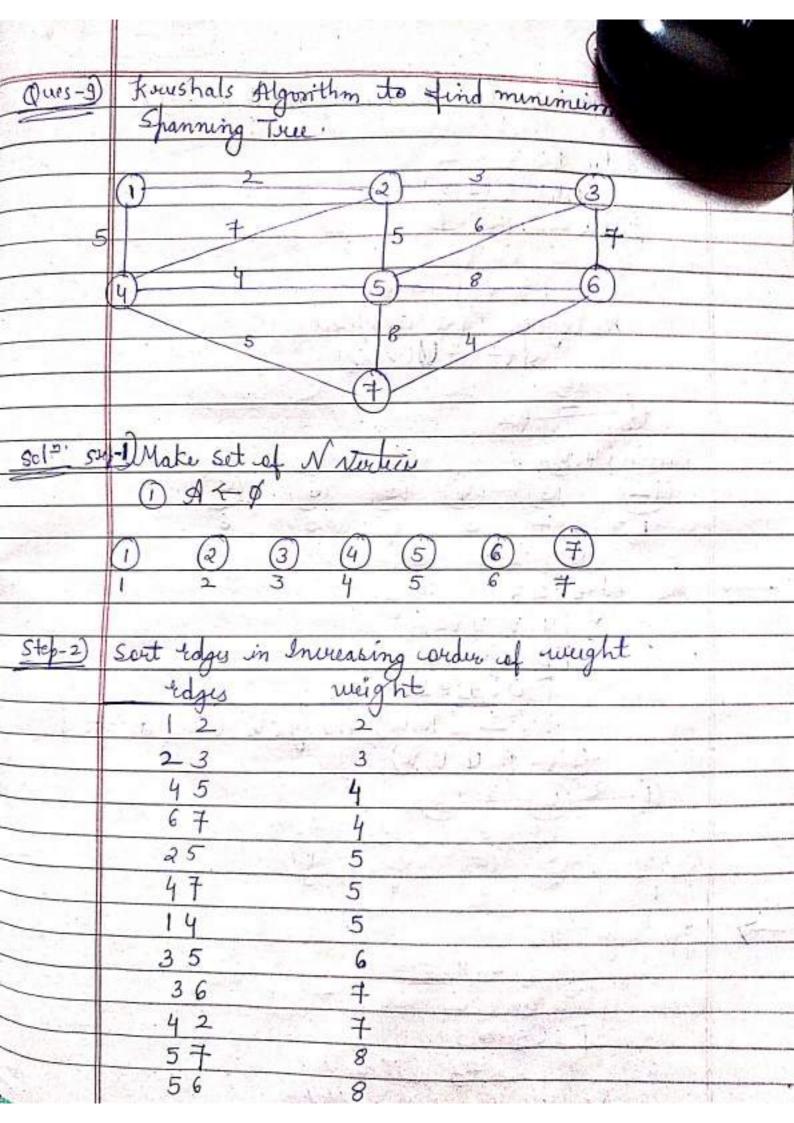
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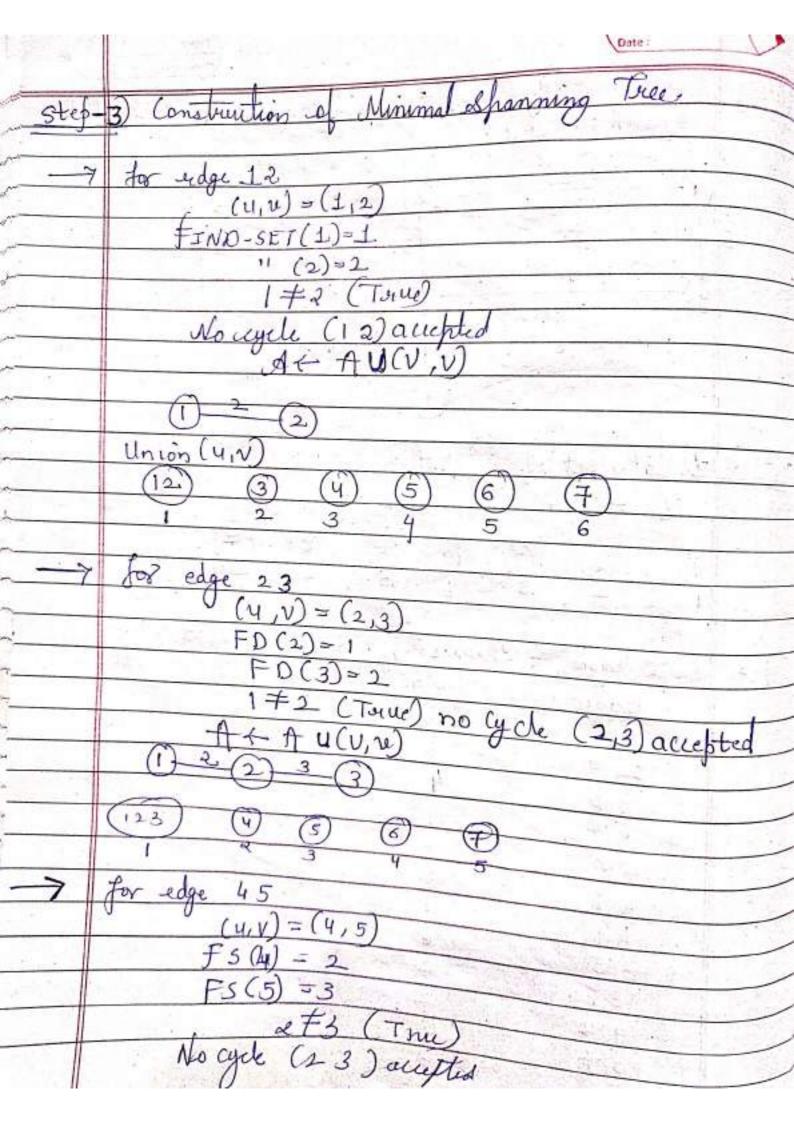


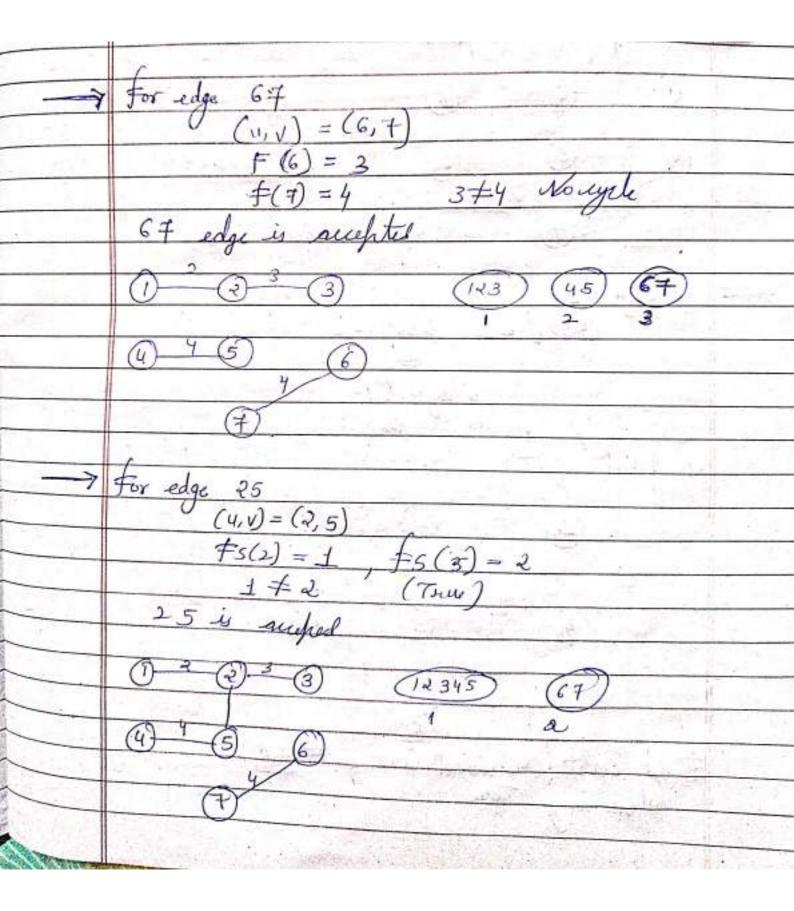


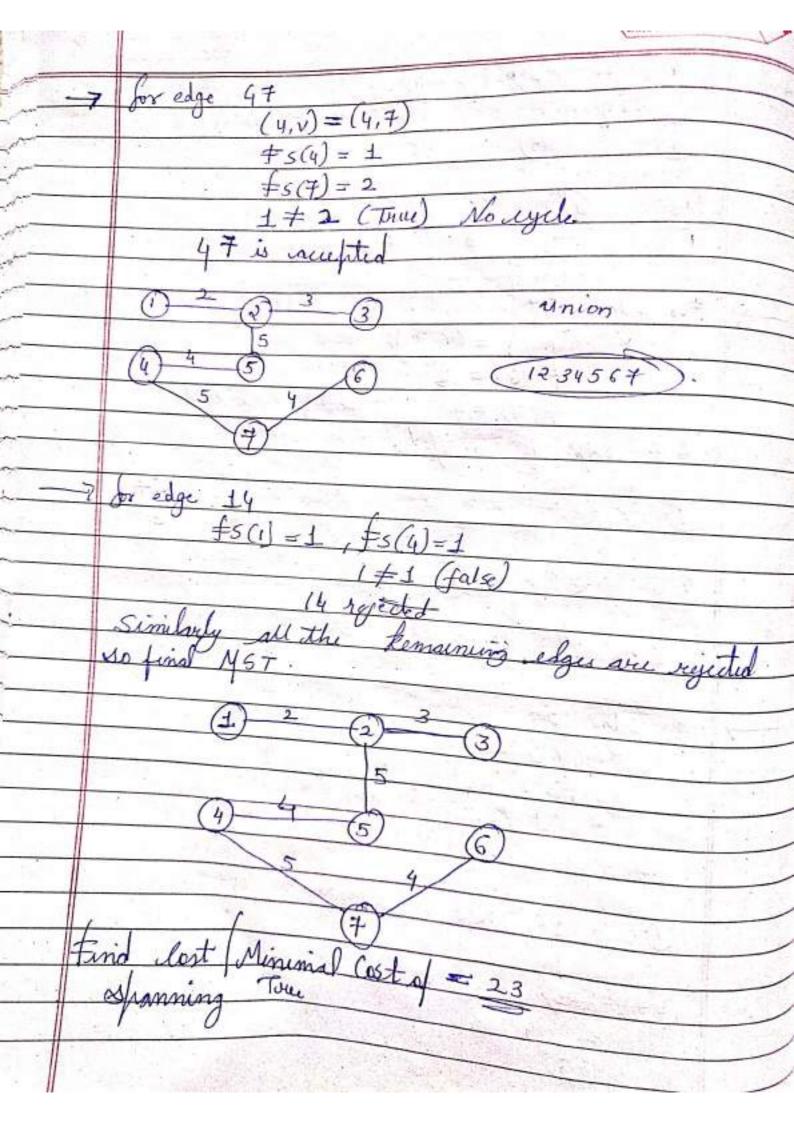


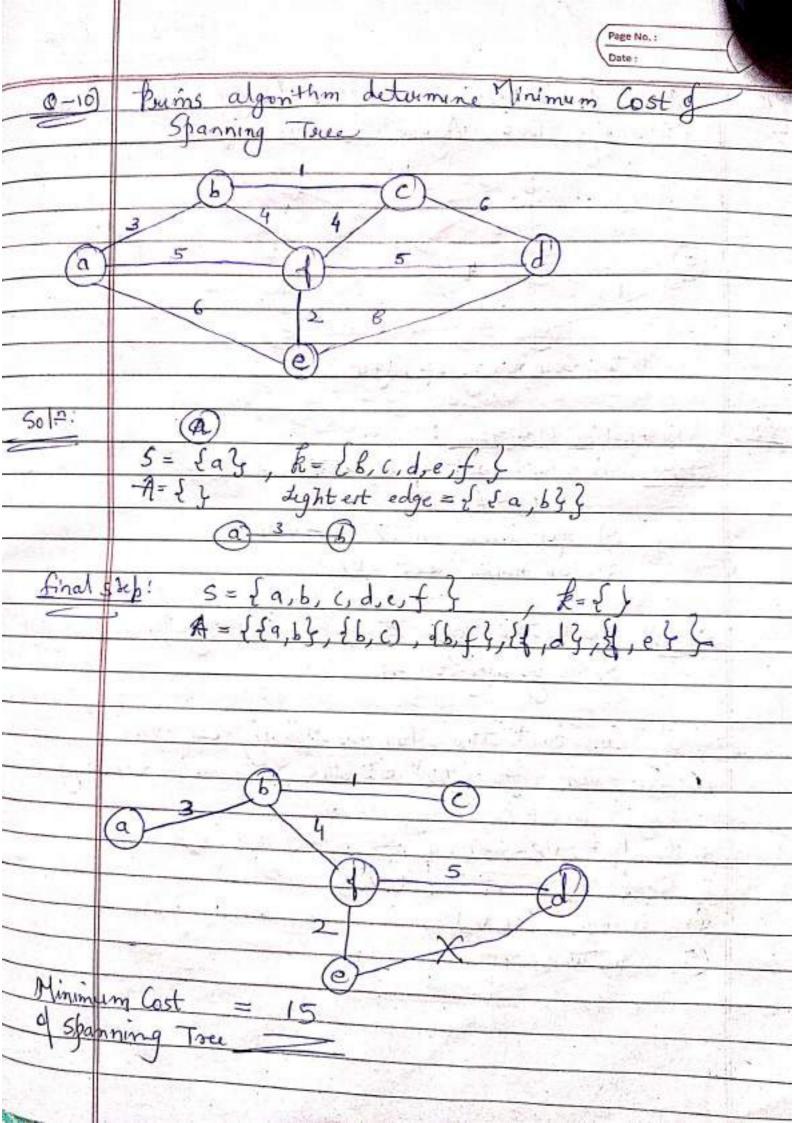
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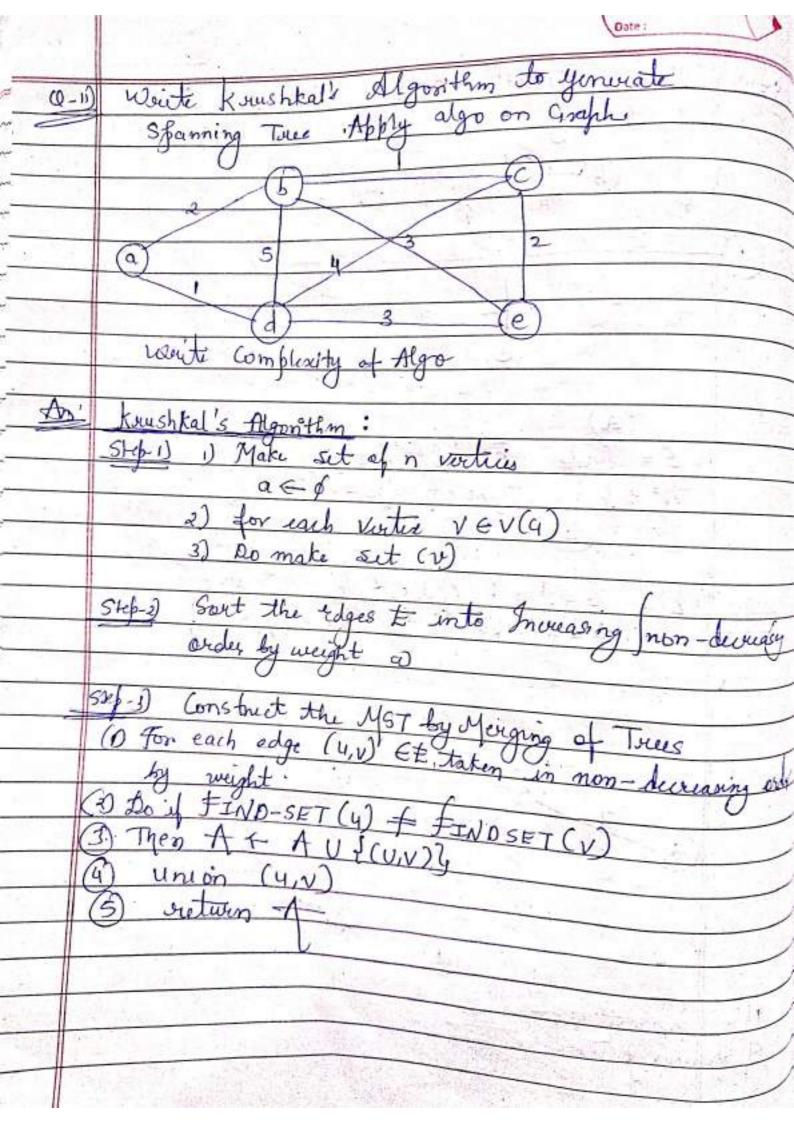


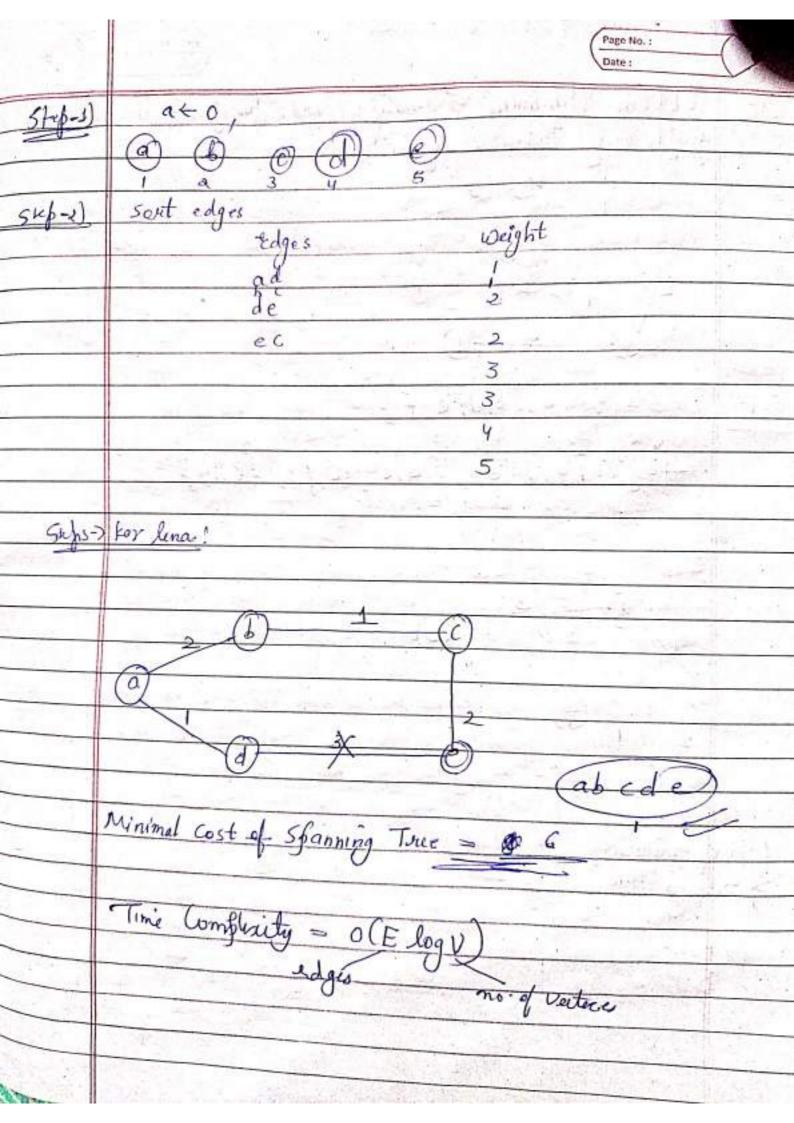


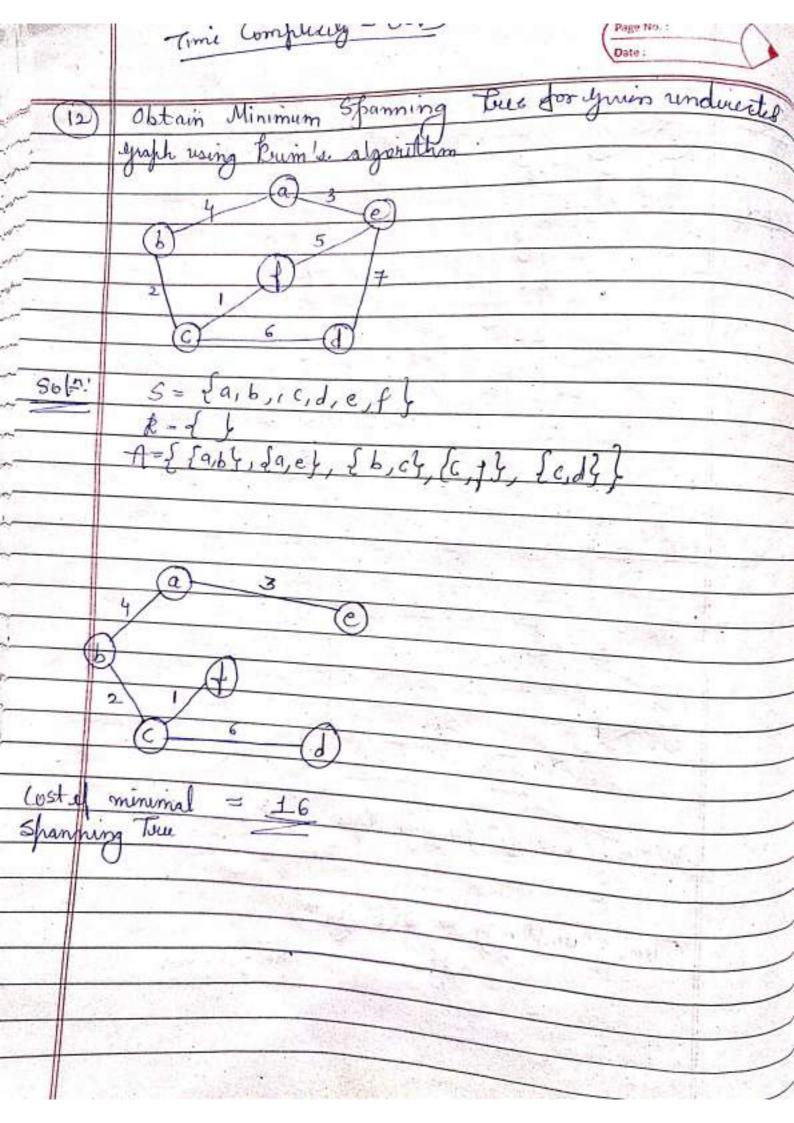


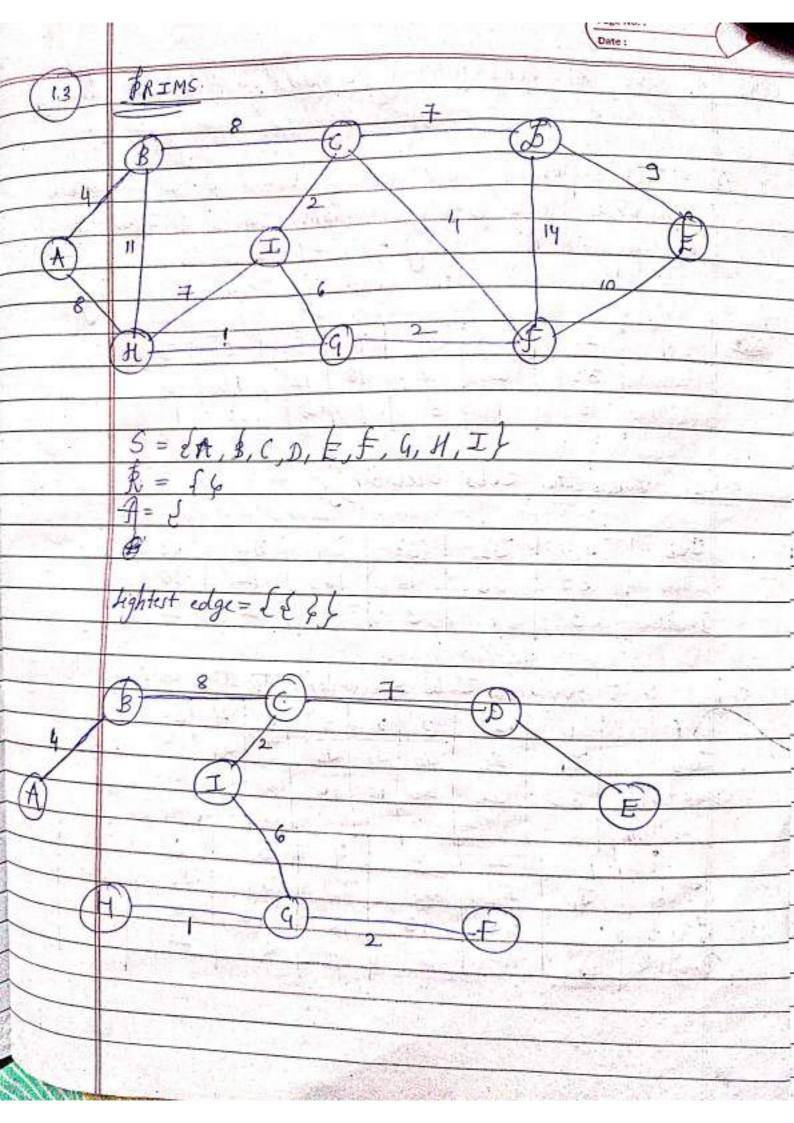








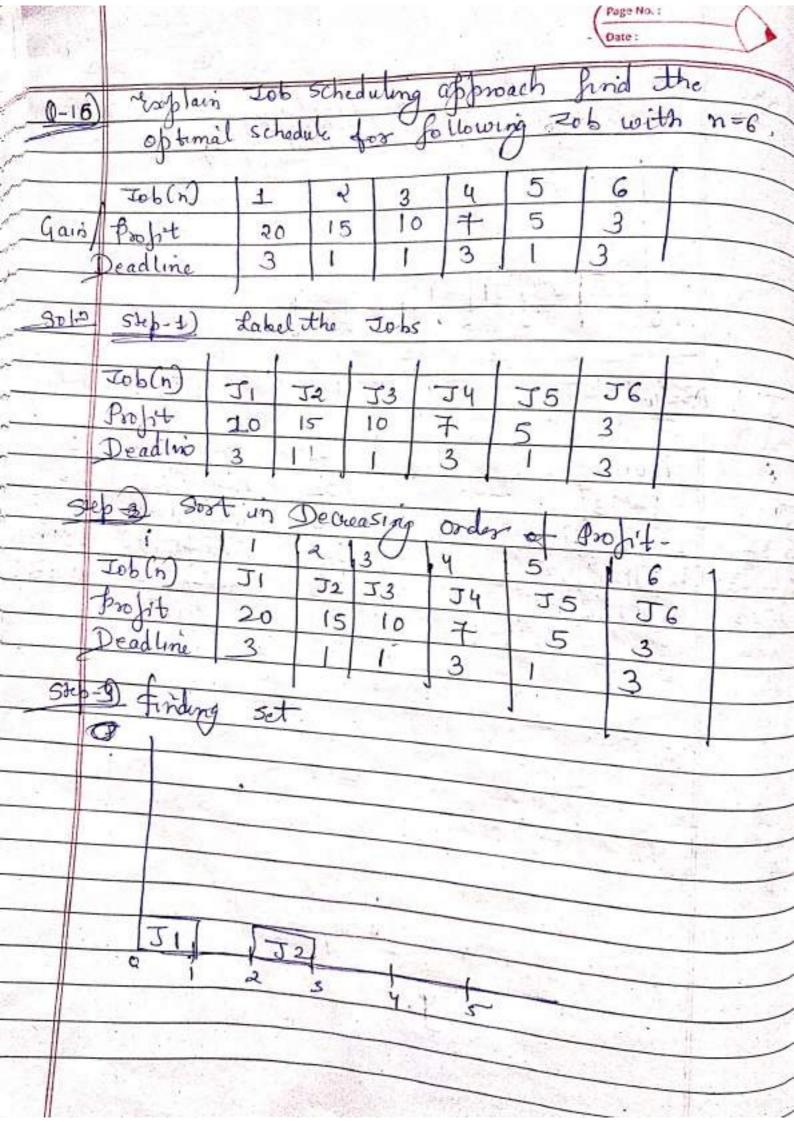




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