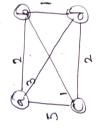
CSA0669- Design and Analysis of Algorithm Assignment By

By R. Jagan 192321102 BTech IT.

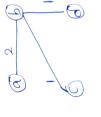
the given graph. Also compute Apply prim's algorithm to solve the minimum 0 f for (054 Spanning Thee



Source = A

Prims algorithm

Path	1	8	d d	8
<u> </u>	0	d	B	28
9	-		-	-
	d	2	U	0



sets()= {a,b,c,d,e,f,g,h,i} values used ane v[i]=(1,0,3...9) gthti By athte etdle aftly gthti graph and then Satisfy the given constraints using the values vfil and adding equation to othen used all values only one time Given that athtc = ctd+e = etf+g = Constraints hold such as Swy values of (3,19/1 = 13 12/p/c thoree

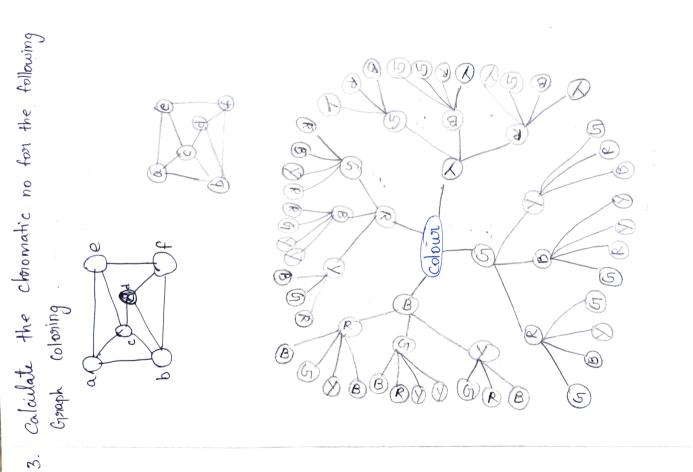
To compute the sum of subsets for the following

~ ~

61 a+b+c

c+d+e=e+f+9=9+h+i 1+8+4= 4+7+2=

8+1



set s= {s, 10,10,13,15,18} and d=30, solve it fox {15'18} 000 {x'' xo' xz} = {5'10') stosche to 15 10 xe = 0 30/08 30 81/LC 31/21 Scm(d) - 5x 0 = 5x subset 33 8 6 96 55/ 55 30 1= hK o=tx 30/18 1=17 94 9 11 94 9 11/51 9 11 0 15 83 51 1=6X -EX 0=EX 0=ex =8x 85 0= 176 85 0 99 SS | a. - TX 0 = Q 1 = 6). 0=2X obtaining 89 89 Consider 0=12 (=1)0 EL