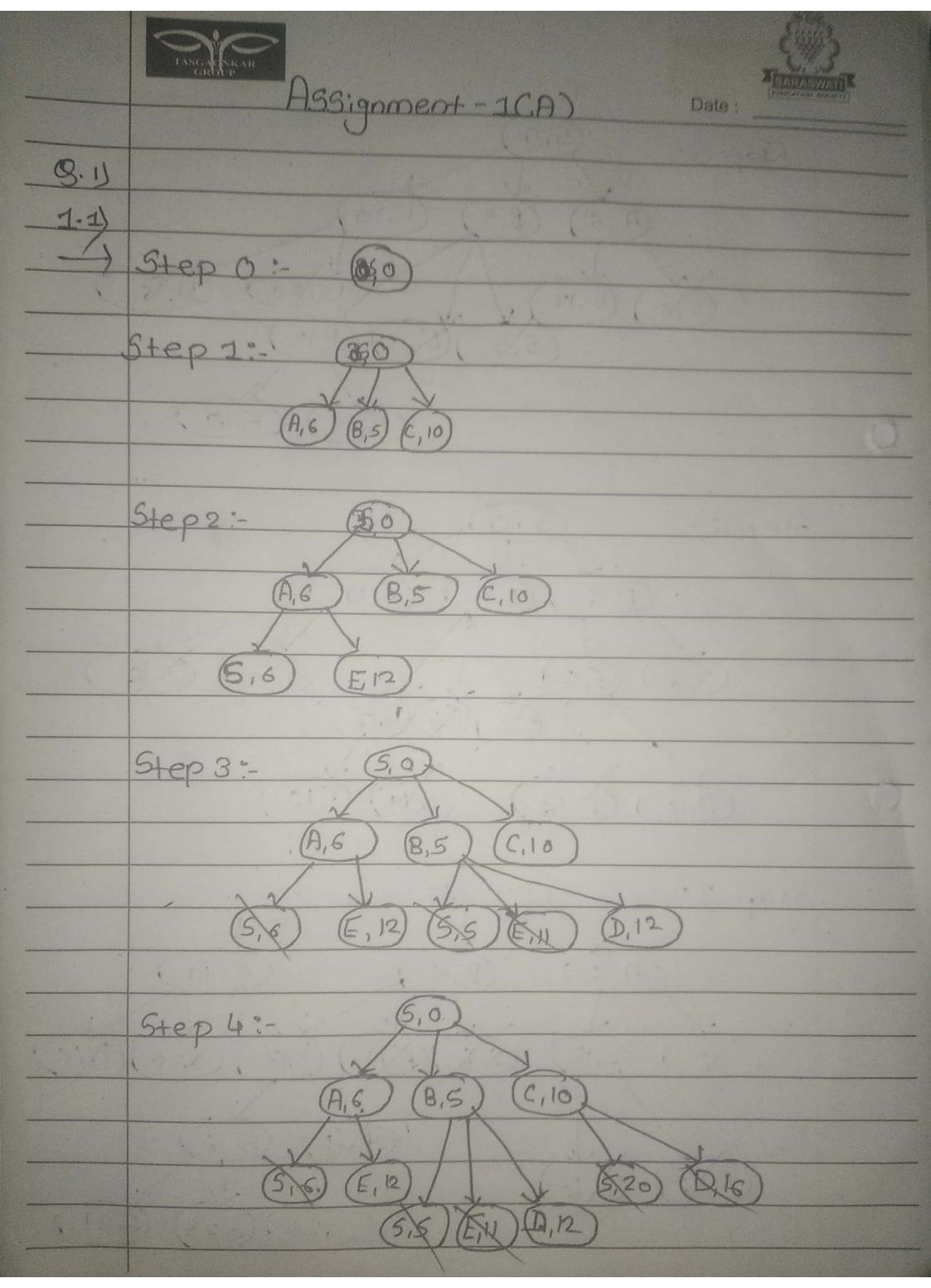
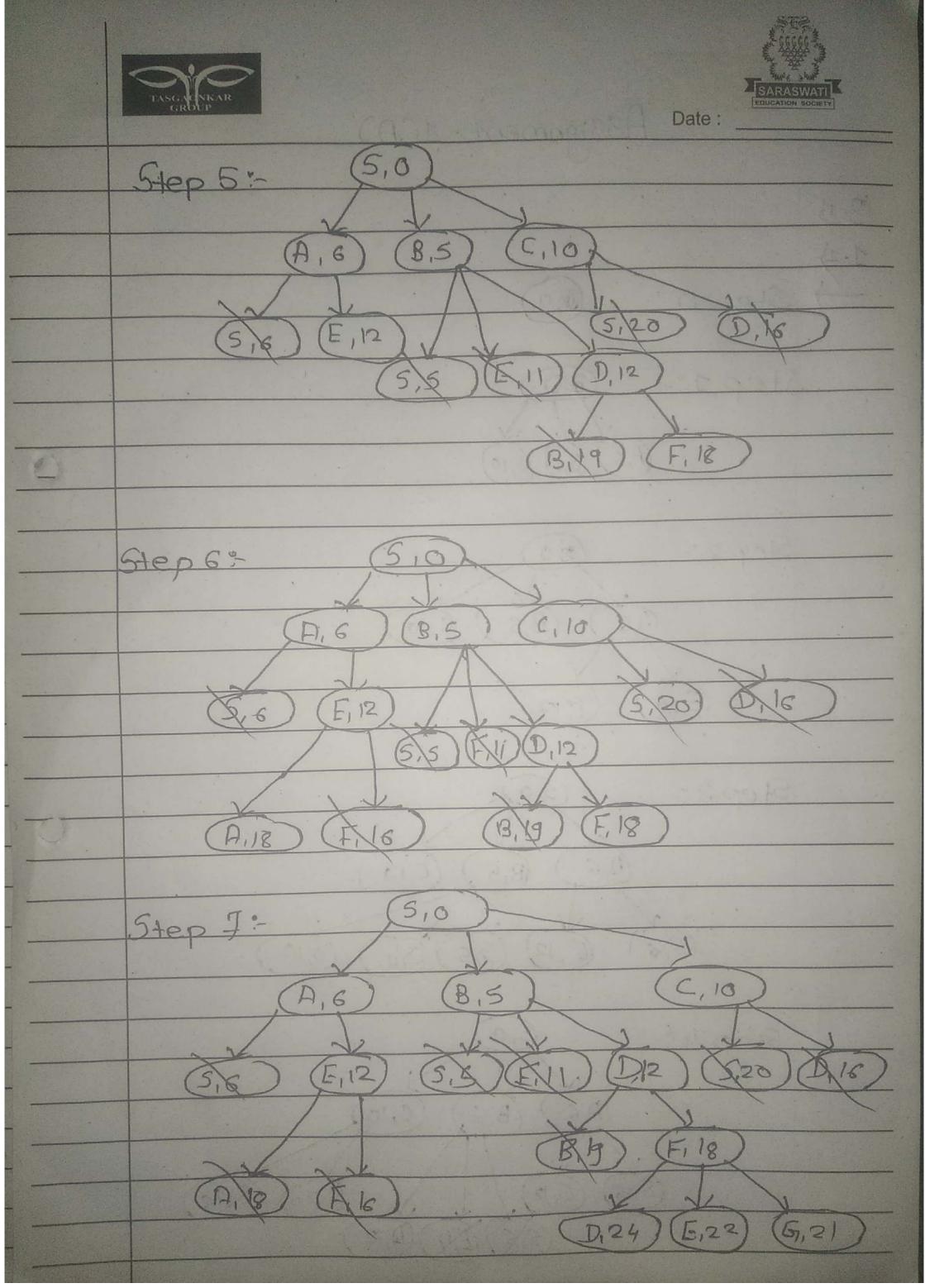
ASSIGNMEN+:-1 (A) Date:
Name: Saurabh Shivaii More
Class:- RE-JT
ROLL No: - 37
Subject: IS LAB
D.O.P D.O.A. Remark/ Sign









	TASGAGARAR GROUP
	Date:
	Sten 8:- (5,0)
The second	(A,6) (8,5) (C,10)
	Le Vi
	(5/6) (FIZ) (5/20) 8/60
	(S5) (EXII) (DX2)
-	A. 18 (F. 18) (F. 18)
	D,24) (523) (G,12)
T. V. a.	Deletel Colas Cola
1-41	
-	Tritializat :- Compute f-sole fore sil put it
	Tritialigat: Compute f-sore tores & put it
	F-505cores: P(s)=h(s)=17 (5,17)
911	
	Step 1:
	F-Score of Success (5,17)
	FCA)= 16A)=10
	f.(c)=h(c)=4
	Step 2: 9-
0	f = Score 06 Successes (5,17)
	f(s)= 6(s)=17 / 1
1 .	f(ce) = 1, (D)=2 (A,10) (B,13) (C)





Date: 5,17 Score of suresses 0=20=4 = 1(B)=13 Score ob Successes (D)= f(D)=2 (4) = L(4) =0 (5,17. Solution 15: -SYCYDYFYG with (B, 13) (A,10) Solution wist = 10+6+6+3 B, 13





Date:

9.2)	
9)	
)	The lowest path west 9(n) can is the west
	to Search the good Configural in least
	Steps
	In our Cose we can search the final
	Contigured in at least 4 moves: up, up,
9	LEFT. LEFT. Fince all though of e equally
	Costly, we compute gens of
	9(n)=1+1+1+1
	g(n)=4
	Consider the following 8- purale in Stone -
3	
	876
0	- 3 4
	, , ,
	Solution Can be represented os:
	{ {8,7,63. {2,1,53. {1,
	{ { 8,7,63 { 2,1,53 { 3,4,-3 } -} { 2,8,7,63 { 2,1,-3 } 3,4,53 } } }
	{{8,7,-}92,1,53{3,4,53.9}{38,-,7382,1,6383,4,533}}
	{ 1,8,73, 2,1,63, <u>13,4,5</u> 3 , 4 , 5 1 3 , 4 , 5 1 3 , 4 , 5 1 3 , 1
	Since all the moves all equally to Costly
	the would be
	9Cn)=6





	Date:
	S. Po
(C)	Draw exhautiv State space tree or Objeth limited to 4 for instance or 8 Puzzle problem in the question
	6
-)	876
	2 1 5
	3 4
	1eft / 1291
	8 7 6 8 7 16
	2 1 5 2 1 -
	3 - 4 3 4 5
	188+ 4R Blant 4R 1887 down
	87687687687-1876876
	2 1 5 2 - 5 2 8 1 5 2 - 1 2 - 1 2 1 9
	1-343141345345
	1eft down
	8-71876
	2 1 6 2 1
	3 4 5 3 4 5
	lest down right
	- 87 817 -
	216 2-6 216
	3 4 5 3 4 5 3 4 5





	Date:
_ e)	
7	For i= 1, n= initial state
	ha Cinitial) = misplaced like & Count-expect
	La Cinitical) = 4
	n=goal State
	h=goal State h= Cgoal)=0
0	
	For i= 2, n=initical State
	La Cinitial) = Currently Explaced bite & Count
	except Space
	he Cinitial) = 4
	for n = 9001 State h2 (9001) = 8
	72 (gac) = 8
0	tor i= 3. h=initial State
	La Cinitial) = Sum of manticulian dist
	Current & Corrent 08 aus
	lites except space
	ha (initial) = 0 + 0 + 0 + 0 + 1 + 1 + 1 + 1
	Part
	tor n- goal State
	ns (goal) = 0