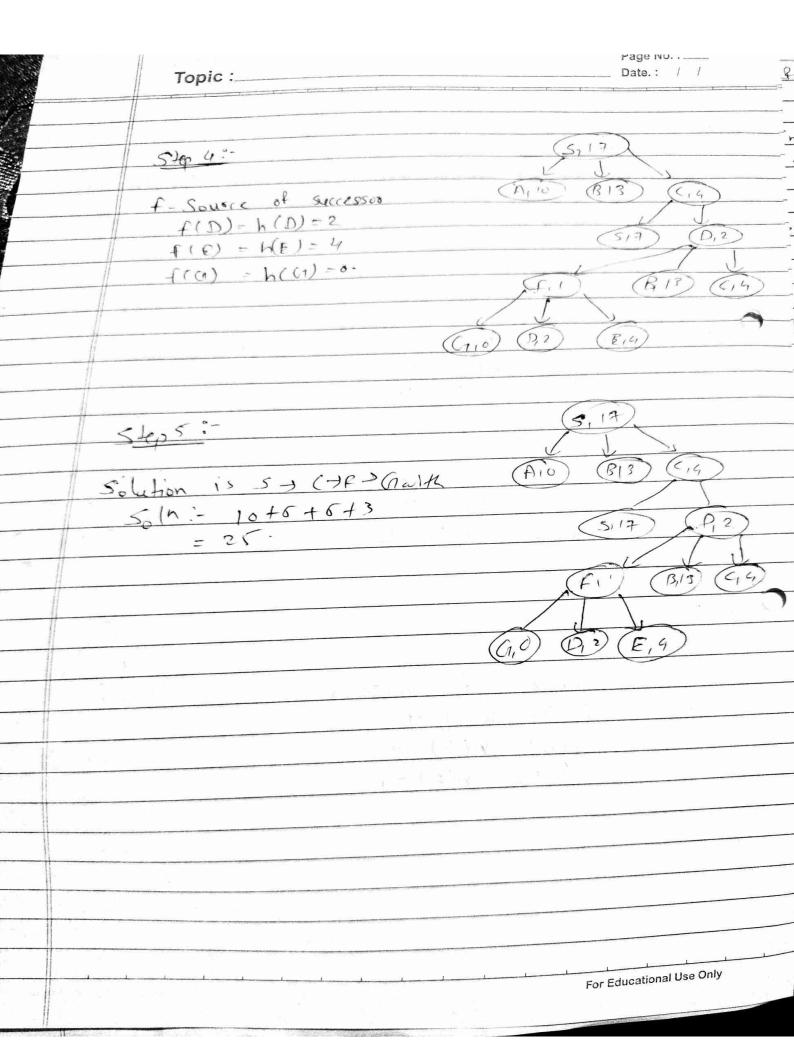
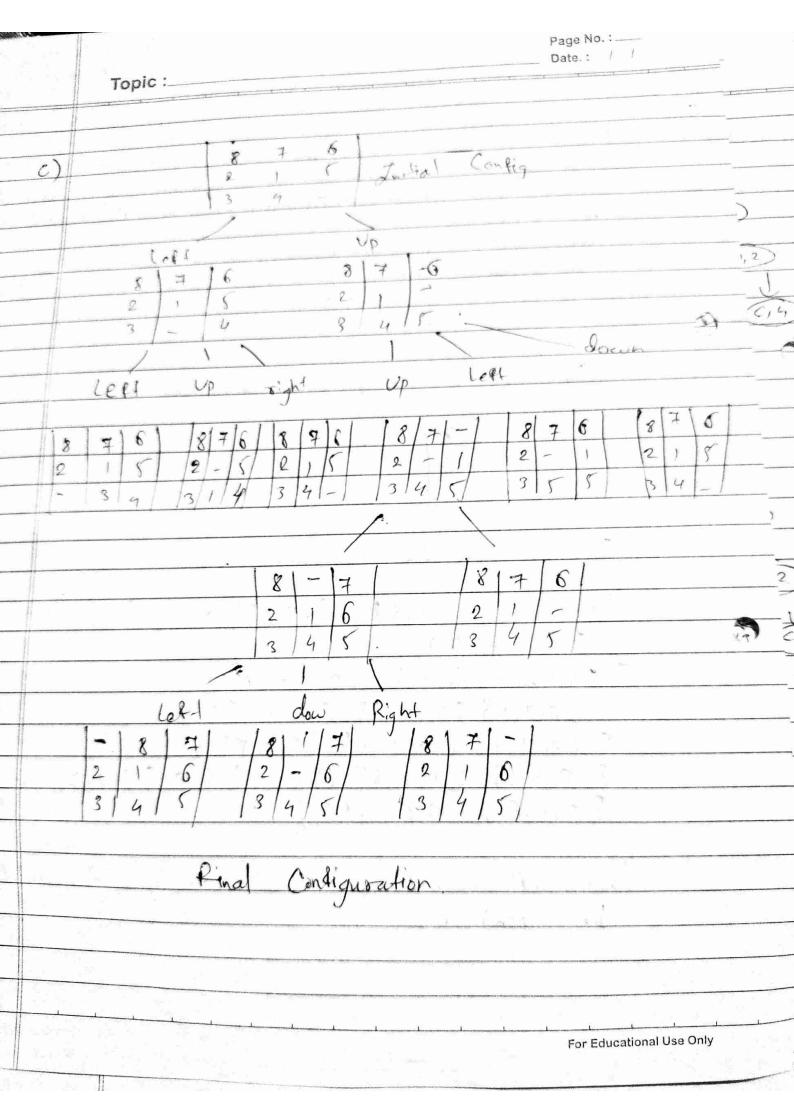


	Topic:	Page No.: Date.:
104)		
	Computer & source for 3	oupt I in openlist.
	f-sources f(s) - h(s) - 17 ((5,17)
	Step 1:	(5, 17)
3	f - source of successors (10) = h(0) = 10	(A, 10) (B, B) (C, 4)
	f(s) = h(s) = 1s	
	5tep 2.	(A,W) (B,13) (C,4)
	f(D) = h(D) = 2	(5,17) (0,1)
	+ (S) - N(D) = Z	3,112
2	Step3:-	S, 17)
	f-source of successor	(A10) (B13) (C14)
	f(0) = h(0) = 4 f(B) = h(B) = 13	(S,17) (D, 3
	$f(\varepsilon) = h(F) = 1$	(f,1) (5,3)
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02			
<u>a)</u>	lowest path g(n) can be cost to reach god		
	configuration in local eleps	in our case, we	
	configuration in local eleps can reach final configuration	n in at least	
-	u moves.		
	Up tody left a since all m	over the equally	
	costy we compute $g(n)$ os $g(n) = 1 + 1 + 1 + 1$		
-0-	g(n) = 4.		
	Caile VII 0 - 10 il		
	Consider to 1 8- puzzle ins	3 tance.	
	8 7 6		
	2 1 5	î	
	3 4		
	Solution can be represented as		
	JOSEPH CAN GE TEPOETATED		
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
3			
TO THE STATE OF TH			
-			
	Since all noves are equally costly cost would be $g(n) = 6$.		

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Topic :_

e)

for ist ministed state

he (mital) = Historians blue count

except spece

n: goal stale

for 1-2 no initial stake

for n= geal state h2 (geal) = 8

Por = 3, n= initial state.

halinitial) = sum of dist between

correspo DR correct pasition of

all tiles encept apace

ha (initial). D+ O+ O+ O+ (+1+1-1).

for n = goal stute ba (goal)=0.

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