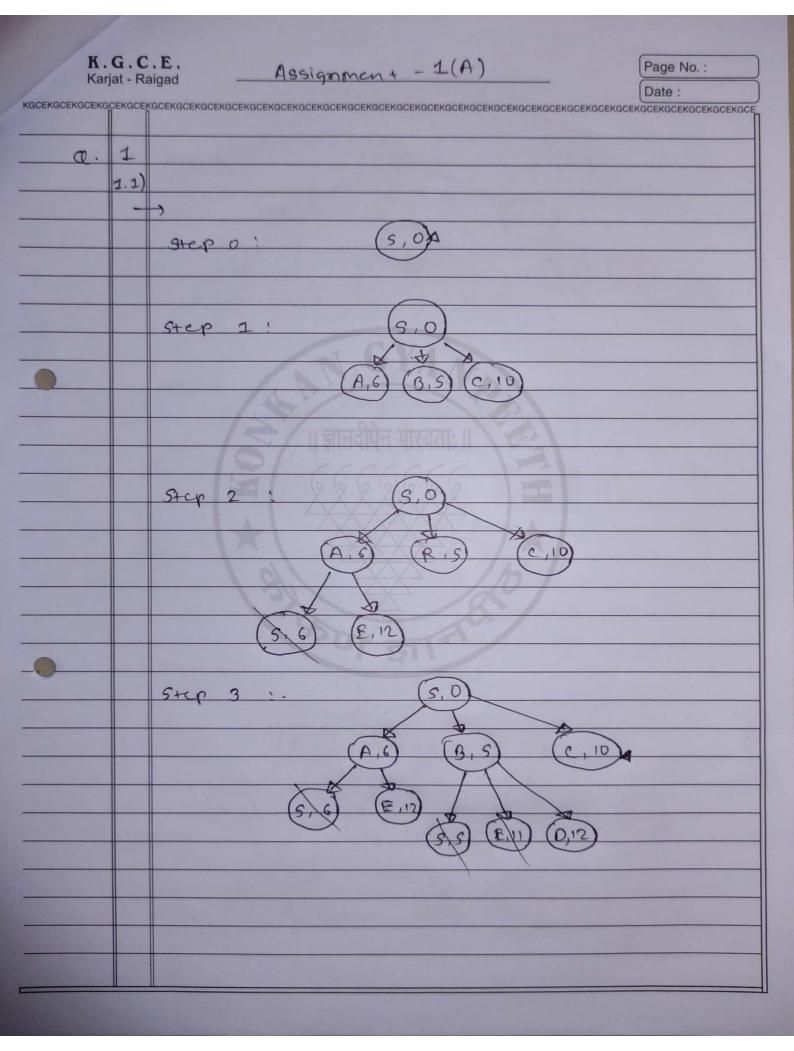
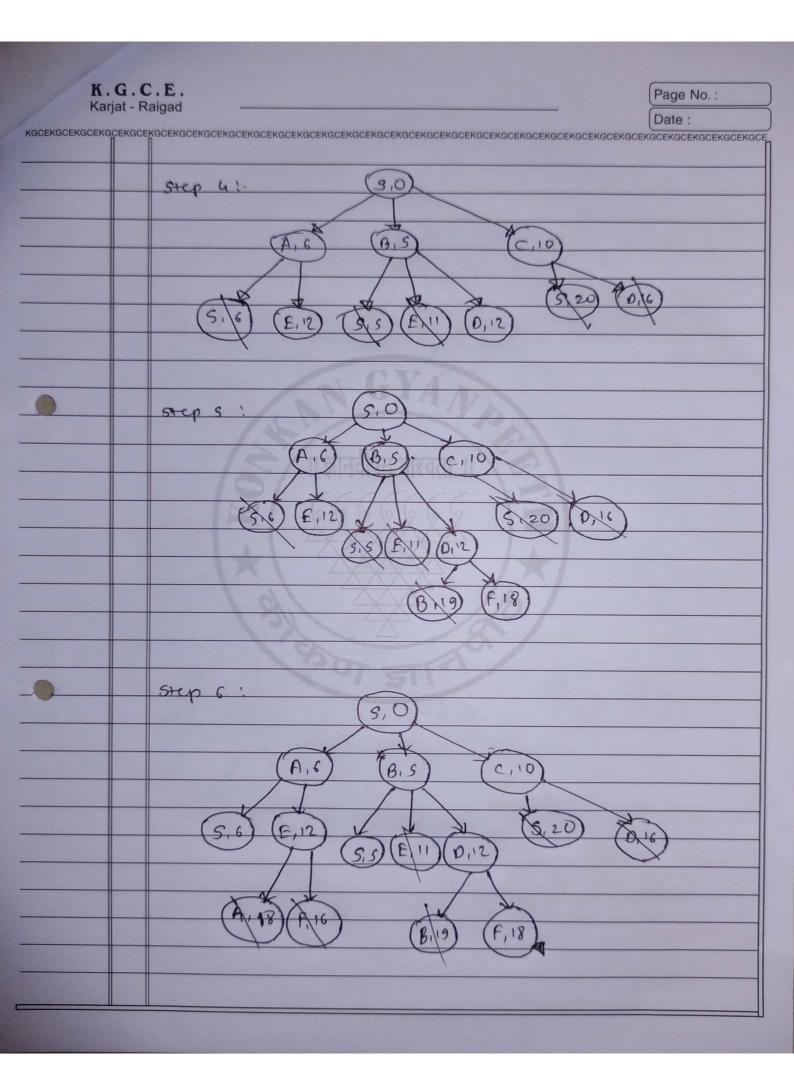
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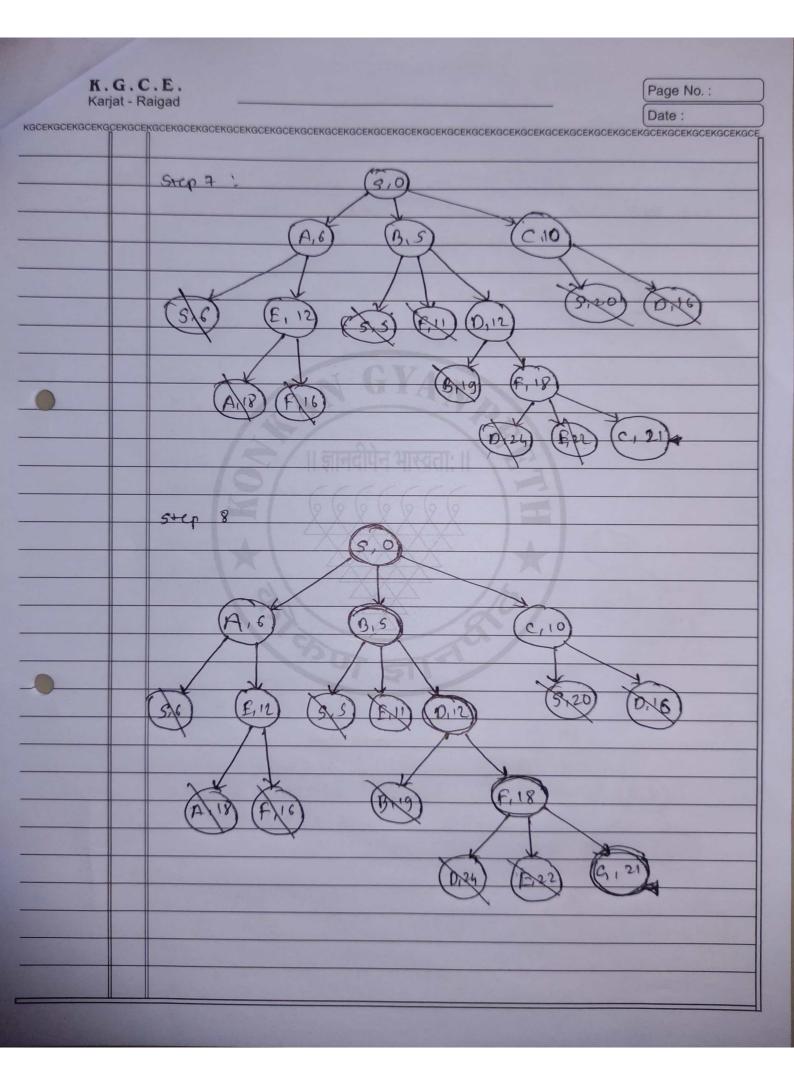
Assignment - 1A

Page No.:

	- Raigad	Date :
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	Name !- Darshan Sanjay Jadhan	
	class :- BE. IT	
	ROII NO :- 23	
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		Marie Trans







K.G.C.E. Karjat - Raigad Page No.: Date: Step 4 ! F(0) = h(0) = 2 P(R) = h(E) = 4 F (9) = h(9)=0

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Date:

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(e-2)	TO STATE OF THE PROPERTY OF TH
<u>a)</u>	bowest Path gin) can be cost to reach goal.
	configuration in least steps in our case ou can
	reach Final configuration in at last a moves.
	UP I UP I LEFT, LEFT. Since all moves an
	equally eastly, we compute gin) as
	g(n) = 1+1+1+1
	g(n) = 4
	consider doll. 8 - pueste instance
	1817161
77777777	
	2 1 5
	73)4
	Solution can be represented as
	5 5 8,7,63 52,1,53 2-,3,439 -> 5 58,7,63 52,1,5) £3,-,436
	->5 5 € 8,7,63 € 2, 1, 5 3 , 23, 4, -3° = 2 € 8, 7, 63 € 2, 1, -3 € 3, 4, 55 €
	-> 5 2 8, 7, -3 2 2, 1, 5 3 2 3 14, 13 3 4 -> { 5 9, -, 7 3 52, 1, 6 } { 3, 4,5 }
	-1 } \{-,8,3\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Since all moves are Equally costly, togs world
	be
	g(n)=6
	3(1)-6

K.G.C.E. Karjat - Raigad Page No.:

Karjat - Ra	Date:
KGCEKGCEKGCEKGCEK	GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
(e)	
	for is no intial state
	hi cintial) = misplaces files count
	except space
	he (initial) = 4
	n= goal state
	m(goul) = 0
	No and I
	for i=2 n=initial State
	h2 (initial)=4
	for n 2 9 out state
HITCHING THE	62 (goul)=8
	for i=3 , n= initial state
	hy (initial) = sum of dist between current
	of correct position of all
	tiles except space.
	hz (initial) = 0 + 0 + 0 + 0 + 1 + 1 + 1 + 1
	2) 4
	for n = goul State
	ng (90a1)=0