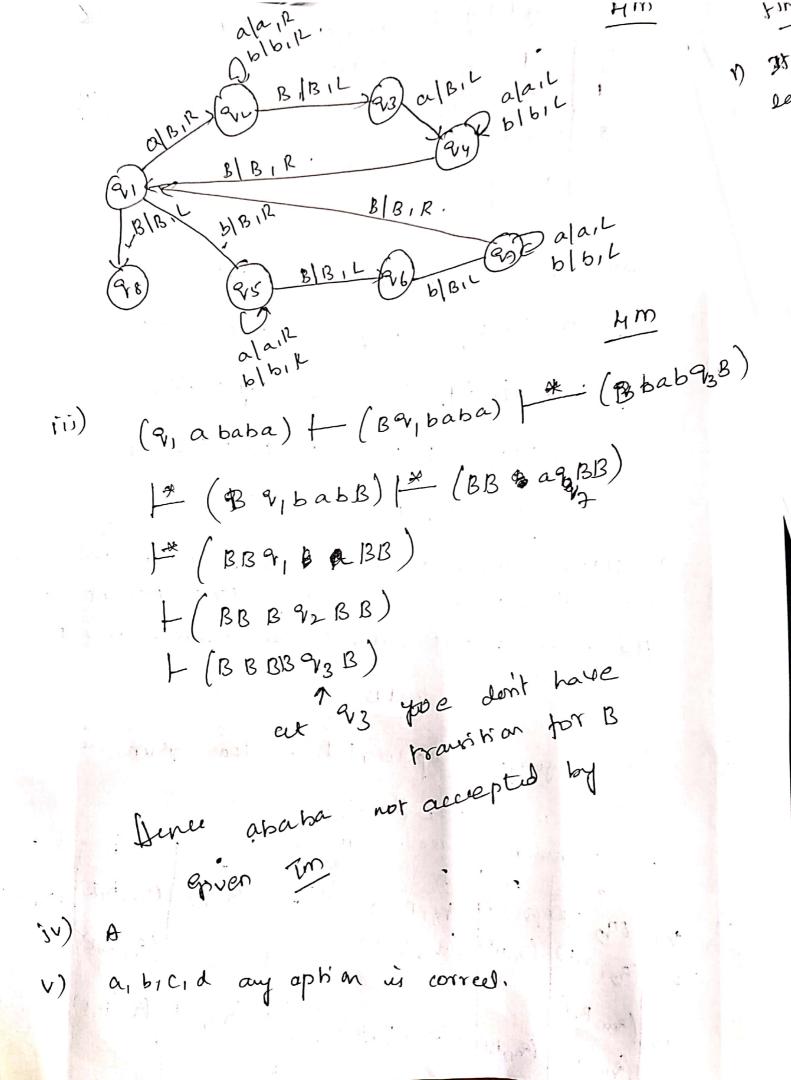
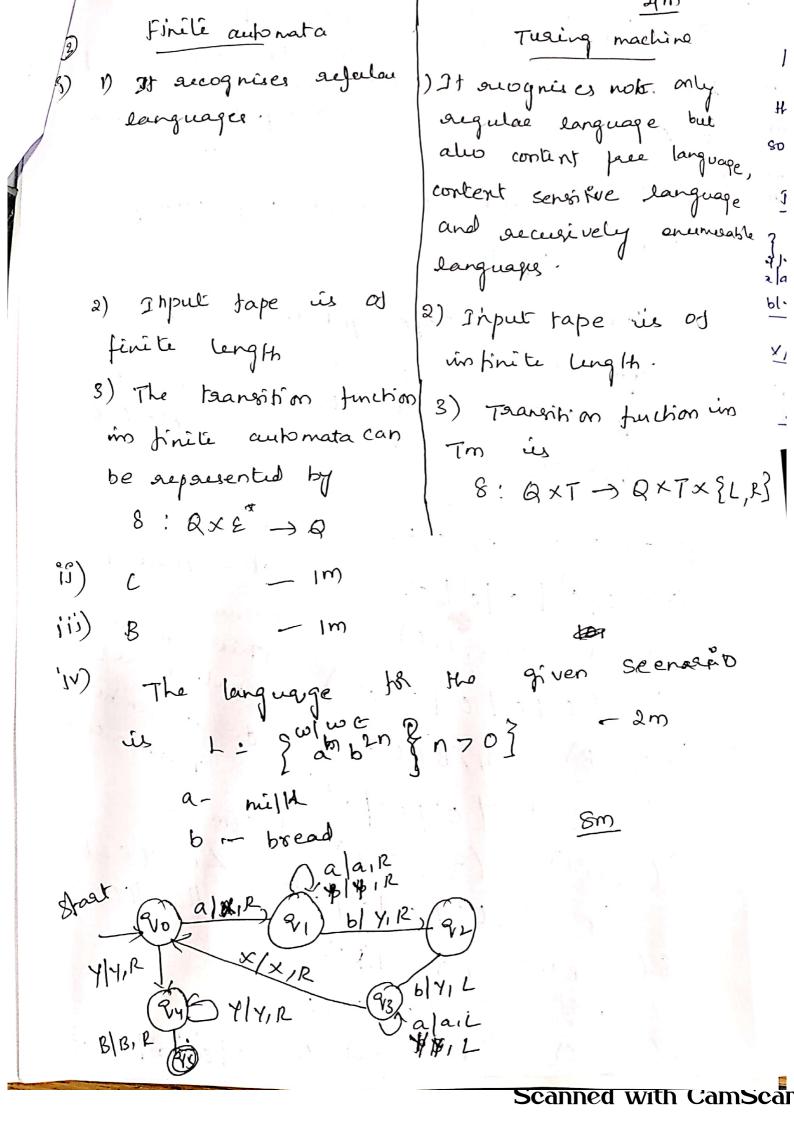
eydetist-3 Answerry FLA. Settle	
1. SI G2 part A G-Cris)	
B BBB B-1307. 8m	i
2 BABBB BG	D
3 B6 6.	į
Take this combination 2,1,1,3.	
By concatinating strings in the seaws.	
61261, 61, 613 = 622 62,62, 623.	
BGBBB BBB BBB BBBBBBBBBBBBBBBBBBBBBBBB	
In this problem, pcp is decidable. 2m	
In this problem i per us accidable , ie., given an instance,	Consultation of
we will not be able to tell 100%. percent of	
the times if that instance has a match & not.	
Part 13	
The language supamented by the given in	,
L: { ww [w & {a, b}]} 2m	
The teanistions are - 8mg	
21 (95,B,R) (95,B,R) (98,B,L) 95 (95,A,R) (96,B,L)	
2 (a2, a,2) (a,1) (a3,13, L) Q6 (P3,13,L)	
912 (911, B, L)	36
9/3 (94, B, L) 8/4 (84, a, L) (94, b, L) (9, 1 B, R) 8/8 (93, a, L) (94, b, L) (91, B, R)	

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The above machine in deterministic. because it does not have multiple transition to any ilp. It does n't perform noise than one ii) d achian by any given situation. (લંદો The 7m was for in crementing binary number by 1. Stalis Tape symbols  $\overline{C} = 0$ Qp - 0 0 - 0 12-00 1-00 Q1 - 00 M-000 B - 000 9/2 - 000  $\delta(q_{\phi},0) = (q_{\phi},0,R)$ N - N is br C1 = 0 0 1 0 1 0 1 0 0 This can be 8 ( Qp, 1) = (Qp, 1, R) falken as L &R. C2 = (0'10"10'10") on it can be given a code. S(90,B)= (91,B1L) C3 = (0' | 03 | 0 1 | 03 | 0' Im is 8(99,1) = (99,0,1) LCI 11 C211C3 Cy= 02/02/02/01/0 11Cy 11Cs-11C6. 8(92,13) = (921,11) cs = 02/03/03/07/03 C6: 07/0/03/02/03 (8(92,0) = (93) 1,M)

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(9,00) f (09,0) f (000,0) f (000,0)