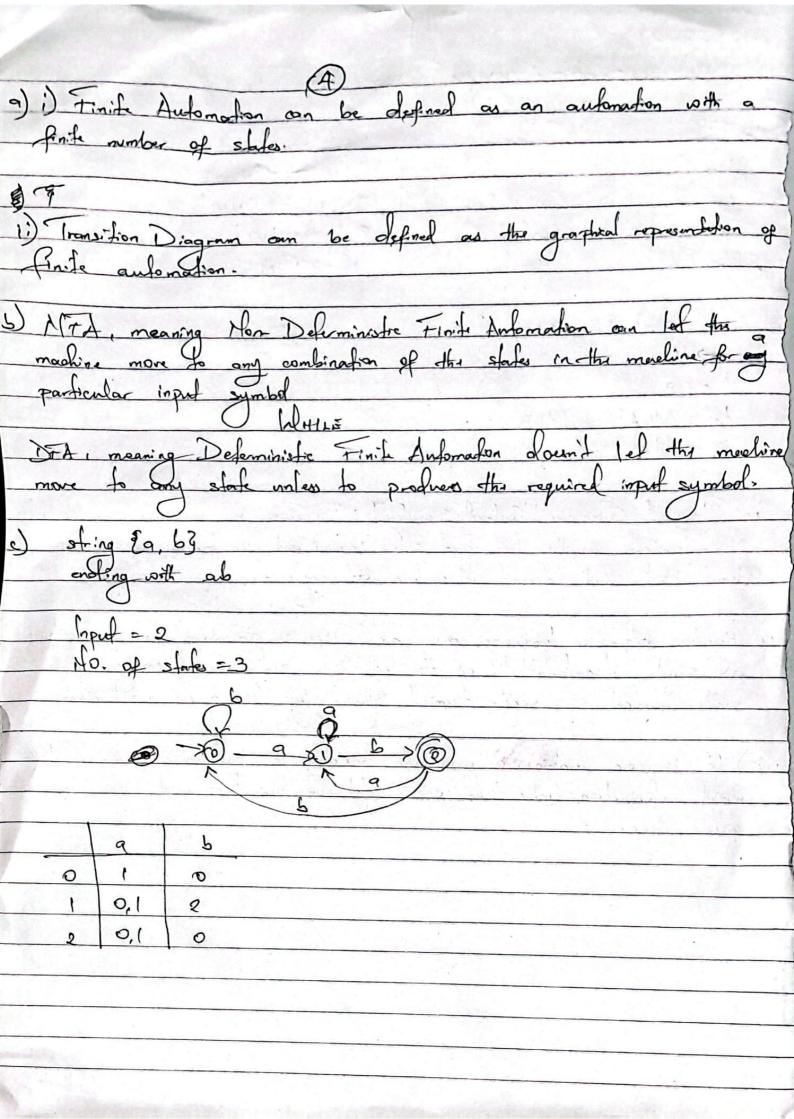
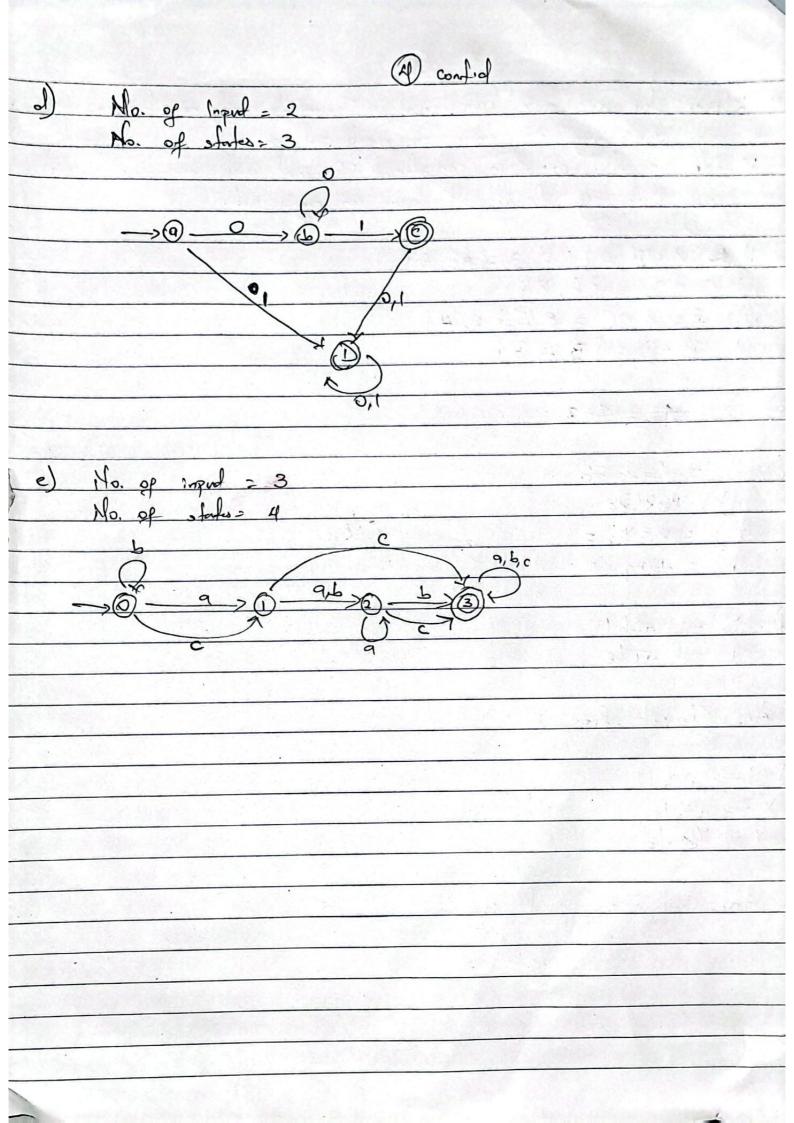
210502021		
COMPUTER SCI	Ano-Anomara To	PORY APP TEST -
9)	(3)	
Bo Types	Grammer	Production Rule
Type	Yoratocled	CNUTY -> CHEATY
Type 1	Confuel Sensitive	CNUTY -> CNUTY
Type 2	Confeat free	EH -> CHUT)
Type 3	Regular	N->T/TA(E)
	O	
b) G=[80,63,	ES, A, 33, S, P]	
Se>Aba		
Å -7 9		
A6-> AA6A AB6 1A6B		
B -> A AB		
i) Type I Grammar [Conferd Sensifive]: Because it has both Terminals and		
Mon-ferminals on the left hand side, Taminal and Hon-ferminals on the right		
hand side and doesn't ool contain on engly dement		
ii) Regular expression languages are are Mpe 3 grammars that must have a single Man-ferminal on the left-hand side eo and consisting of a		
a Single Man-terminal on the left-hand side eo and consisting of a		
single deminal or single terminal followed by a single non-terminal.		
most derivation, more than one right-most derivation and more than one		
pase free.		

UNITO I RANCIS







a) Kleene ster operation concentenantes Terminal and non-terminal on a way that they can have an empty sof or of.

Kleens positive operation concentenate Terminal and non-terminals on
a way that they should not have an engly sof. b) i) & AUB = \$1,2,3,4,55,63 ii) COD = 26,83 iii) F= Anc = & F= 2,43 W B-D= [3,4,5]

e) -i) = 192

c) i) = 1a2c 56 i) = 868@8 iii) = 23*!= iv) = 45pq=C

d) S -> aSbIT T -> 9/1/E

Ans = Content free.

es S -> axb M X -> aX E 9 -> 1/2m/E

Ans = Confert free and Rogular

