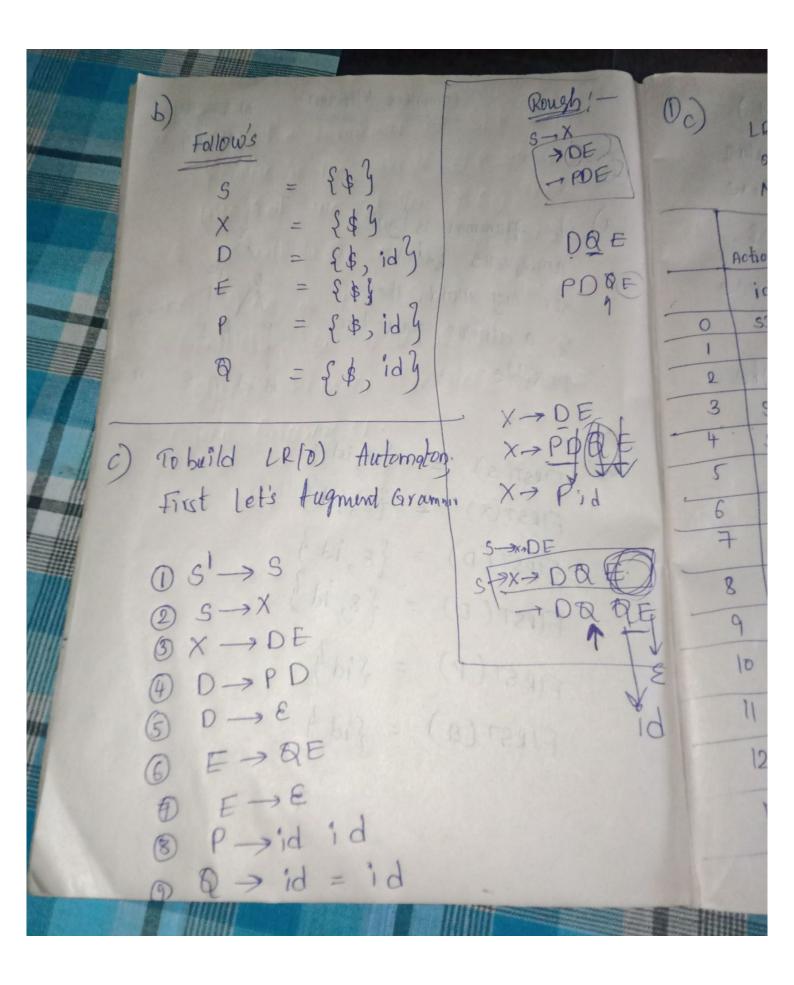
## Compilers Midsem.

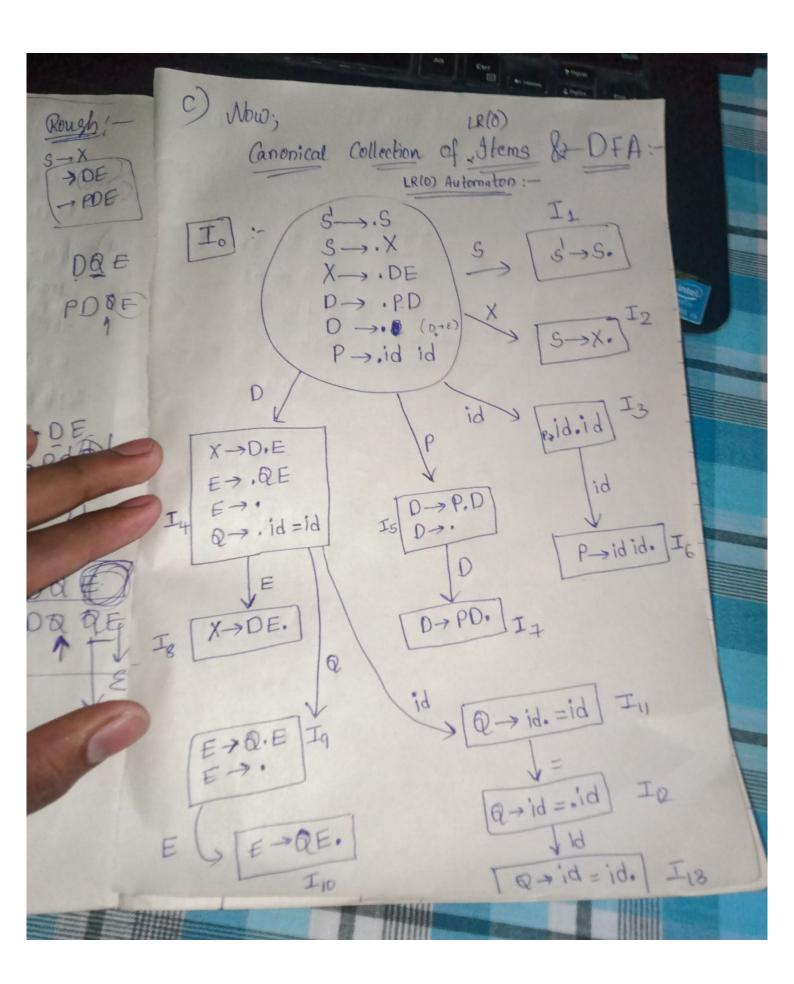
M. Sanjary 1904119.

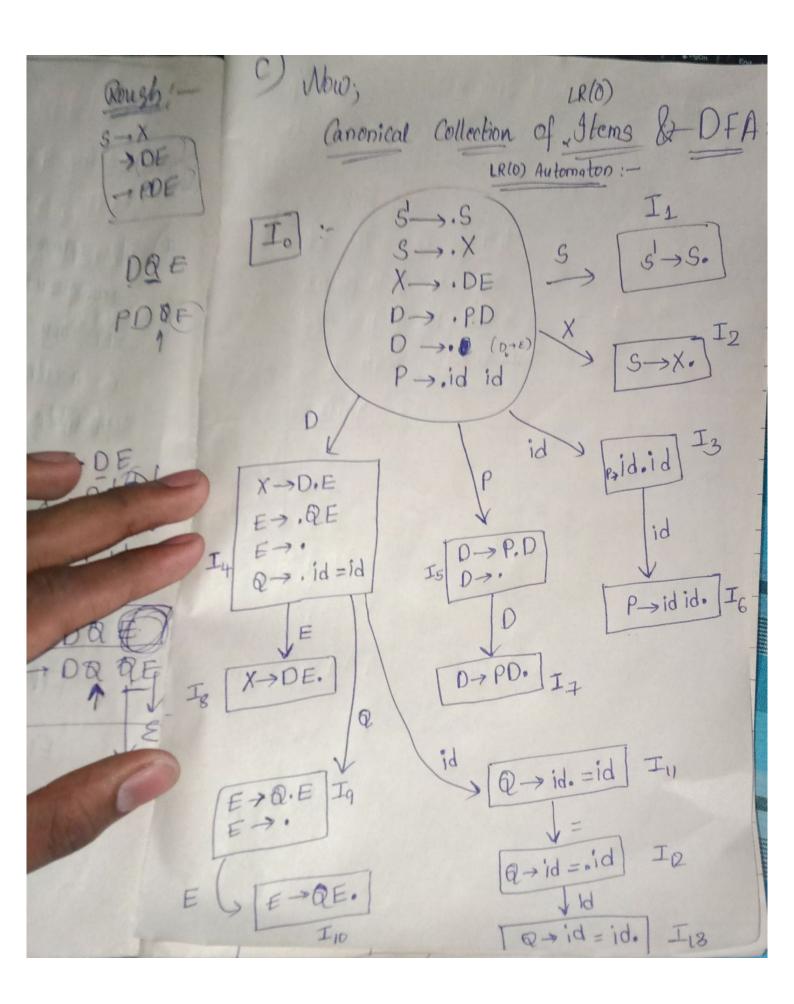
a) The grammar is not ambiguous because for any word; there is a unique passe tree posible.

H-K 3 3 bi bi

b) FLEST(S) =  $\{\epsilon, id\}$ FLEST(X) =  $\{\epsilon, id\}$ FIRST (D) = { E, id } FIRST (E) = {8, id } FIRST (P) = Sidy FIRST (Q) = Sid 3







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Byes; the Grammar is SLR(1)
because in the above SLR parising
table that we got in OC; There
is no cell with multiple actions.

ic, There is NO Reduce - Reduce
Conflicts & There is No
SHIFT - Repuce Conflicts in the
Given Grammar.

O-2. No. There is No grammar that is Rulo) but not LR(0) because Rulo) but not LR(0) because even left-recursive (Right recursive even left-recursive (Right recursive grammar's can be accepted without grammar's can be accepted with grammar's can be accepted with grammary grammary grammary grammary grammary gram