HWO : PRACTICE PROBLEMS

· Compound propositions · Tautology/controdution

21. Identify the propositions, and show their relations using appropriate logical operators.

- a) If you are happy and watch movies, then your parents ask you to study.
- b) You are a Bangladeshi or if you are not a Bangladeshi, then your friend is European

92. Use a series of logical equivalence to shaf  $(p \land (p \rightarrow q)) \rightarrow q$  is a Tautology/contradiction/contingency

Q3. Construct the Truth Table for the compound proposition defined as

$$(79) \rightarrow (PV77)$$

94. Identify the propositions and show their relations

"For you to get a good job in Pathao, it is sufficient for you to rewrn CSE 173.