

COMP233 – Discrete Mathematics Quiz 1 – Dr. Radi Jarrar 26 November 2022

Student Name:

St. ID :

Question 1: Construct the truth table to determine whether the following argument form is valid or not?

 $p \\ p \leftrightarrow \neg c \\ \neg q \land \neg r \\ \therefore r$

Question 2 : Write the negation, converse, inverse and contrapositive of the following statement:

Watching the world cup is sufficient for me to be happy.

Negation	
Converse	
Inverse	
Contrapositive	

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Question 3: Formalize the following statements:

a. Having the flu is a necessary condition for having COVID.

b. Every student in BZU attends exactly one degree.

c. For each integer x, there is another integer y that is greater by 1.