

COMP233 – Discrete Mathematics Quiz 1 – Mr. Wahbeh Musa 26 November 2022

Student Name:

St. ID :

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

 $p \\ p \to q \\ \neg q \lor \neg c \\ \therefore q$

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

Being a president is sufficient for your age to be greater or equal to 18.

Negation	
Converse	
Inverse	
Contrapositive	

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Question 3: Formalize the following statements:

a. For any student, passing Tawjihi is a necessary condition for being a BZU student.

b. Every student in BZU has exactly one Minor Degree.

c. For a positive even integer x, there is another integer y that divides x.