

Answer on Question #47045 – Math – Discrete Mathematics

In the context of admission to IGNOU, give example of the following-

1. an implication ,
2. the converse of (1) above.
3. a two way implication which is true.
4. a statement involving both for all and there exist.
5. the contrapositive of (1) above.

Solution.

- 1. If today is Easter then tomorrow is Monday.**
- 2. If tomorrow is Monday then today is Easter.**
- 3. This program is correct if, and only if, it produces the correct answer for all possible sets of input data.**
- 4. For all $x \in R$, there exists $y \in R$ such that $x + y = 4$.**
- 5. If tomorrow is not Monday then today is not Easter.**