Question 7 [5 Marks]

In SQL, relations can contain null values, and comparisons with null values are treated as unknown. Suppose all comparisons with a null value are treated as false. Which of the following pairs is not equivalent?

A x = 5 AND not(not(x = 5))

 x = 5 AND x> 4 and x < 6, where x is an integer

 x ≠ 5 AND not (x = 5)

D None of the above

Explanation

According to given question, comparison with NULL value always False, so "x ≠ 5" will be false. "x = 5" will also false and not (x = 5) = not(false) = true. Hence, these are not equivalent pair.

Option (C) is true.