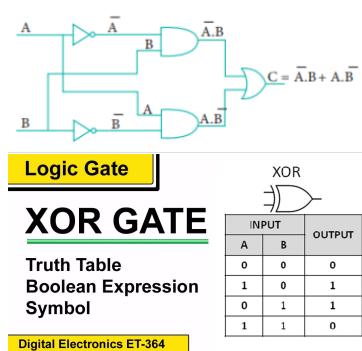# 1 XOR Gate

An XOR (exclusive OR) gate acts in the same way as the exclusive OR logical connector. It gives a true output (result of 1) if one, and only one, of the inputs to the gate is true (1), i.e either or but not both