

Girish Nhavkar
9560

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

A1- Batch B (Lab 1)

Q.1]

→

The easiest trick to win Tic Tac Toe is to play as first player & start in center square. This move maximizes your chance of winning if your opponent doesn't make optimal moves.

Q.2]

→

There isn't a guaranteed algorithm to win 5×5 Tic Tac Toe since game becomes significantly more complex with larger grid size. However strategies from regular 3×3 Tic Tac Toe can still be applied such as aiming to create a winning line while blocking your opponent's attempts.

Q.3]

→

While it's theoretically possible to never lose at Tic Tac Toe if both players make optimal moves, achieving this in practice relies on opponent making mistakes or not following optimal strategies. The game has a finite no. of possible board positions, so a perfect player could force a draw every time.

Q. 4]

→ The Tic Tac Toe can help with several cognitive skills including Strategic Thinking, pattern recognition, decision making & planning ahead. It's often used as teaching tool for basic game theory & simple introduction to more complex board games. Additionally playing Tic Tac Toe also be a fun way to pass time & engage in friendly competition.