

## AI Expt 2 Partlab

1. What is the relationship between tic-tac-toe and magic square?

Ans:- Tic-tac-toe and magic squares both involve arranging numbers or symbols in a grid, but they have different objectives and rules. TicTacToe is a game where players aim to create a line of their symbols, while a magic square is a square grid where the numbers in each row, column and diagonal add upto the same sum.

2. What is a magic square of order  $n$ ?

Ans:- A magic square of order  $n$  is an arrangement of the numbers from 1 to  $n^2$  in a square grid such that the sum of the numbers in each row, each column and both main diagonals is the same. This sum is called the "magic constant" of the magic square.