

1.) A* Search algorithm is one of the best and popular technique used in path-finding and graph traversals.

2.) Heuristic function is a function ranks alternatives in search algorithm at each branching step based.

3.) The intelligent agent refers to an autonomous entity which acts directly its activity towards achieving goals upon an environment by observation through sensors and consequent actuators.

4.) An agent uses perception of the environment to make decision about actions to take. The perception capability is usually called a sensor.

5.) ~~Does~~ A* used :- Solving 8 puzzle problem
IDS \rightarrow to search shortest path
while traveling b/w cities

6.) Blind search \Rightarrow diagonal etc