1. What is the difference between blind search and heuristic search? Explain with suitable example
2. Explain the iterative deepening A\* algorithm
3. Explain Hill climbing algorithm. Explain Local maxima, Global Maxima and plateau for an example
4. Define heuristic function and define the heuristics for 8-tile puzzle to move from initial state to goal state. Explain the A\* algorithm for 8 tile puzzle
5. Explain iterative deepening depth first search (IDDFS) and justify its parameters based on time complexity, space complexity"
6. Compare and explain Depth First search and Breadth First search methods
7. Differentiate between uninformed and informed search methods.
8. Explain Hill climbing algorithm. Explain Local maxima, Global Maxima and Plateau for an example.
9. Explain Depth Bounded (DFS) (Depth Limitedd DFS) algorithm with an example.
10. Define Well Defined problem, List and explain elements of well defined problem.