

Assignment -1

Sub: AIML

- Q1: Differentiate between breadth first search and depth first search.
- Q2: How state space search work on state space of an AI problem? Explain it with the help of water jug problem.
- Q3: Discuss and compare blind search with heuristic-based search. Which one is better? Discuss using example.
- Q4: Explain A* Algorithm with example in detail.
- Q5: Define the following terms in reference to steepest ascent hill climbing:
- a. Local maximum
 - b. Plateau
 - c. Ridge