ARTIFICIAL INTELLIGENCE & EXPERT SYSTEMS

Lab Work & Class Work

Mention your Name, ID, Course-Name, and Section in your Solution. Then Answer the given Questions.

Class Work -20 marks

1. Describe Alpha-Beta Pruning. Give an example.
2. What are the operators of Genetic Algorithm? Describe Two-point Crossover with proper example.

Lab Work – 40 marks

3. Describe 4-Queen Attack Detection Using Back-tracking method. Describe the full solution using details diagram
4. Solve the WUMPUS world given below. Describe the percept information, logical reasoning in details with diagram.

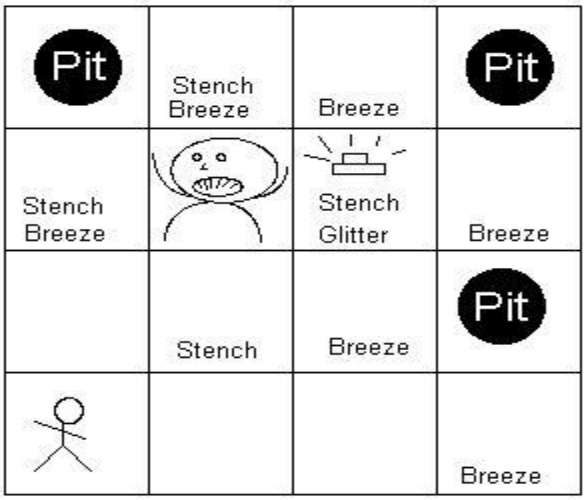

Fig 4.1: WUMPUS World