1. What is local search? When will you use local search? What are the advantages and disadvantages of local search? Explain with an example. 5
2. For one of the following problems mention initial state, goal state, operators and write pseudocode for back tracking search to find the goal state from the initial state. 10
3. 8 puzzle problem
4. N-queen problem
5. Map coloring problem

(3 % num of group member) + 1