**Artificial Intelligence**

**Lab Quiz 1 (B)**

Question 1: Solve the given problem by using Greedy DFS Algorithm and display the path to reach the goal state. F(n)= G(n) +H(n). [10]

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| Start State: S  Goal State: G  Search Algorithms in AI - GeeksforGeeks |

Question 2: For the 8-puzzle problem you have to compute the heuristic values using Manhattan and Misplaced tile for the given initial state. In 8-puzzle you can move tile in diagonal direction as well.[10]