**Tutorial 12**

**Greedy algorithm and techniques**

**Instructions**

1. All tutorial sheets will be posted on the Google Classroom.

2. Students are advised to submit tutorial sheets solutions in classroom.

Q1. What is greedy algorithm?

Q2. Write the algorithm for greedy approach. Explain local optimal and global optimal solution with respect to greedy algorithm.

Q3. What is a spanning tree and a minimum spanning tree?

Q4. Draw spanning trees of the following graph.



Q5. Study kruskal’s and prim’s algorithm to obtain minimum spanning tree for the following graph

