

# Data Structures and Algorithms - LAB 12 - 23.11.2022

## Evaluation

**Observation – 5 marks**

**Execution – 15 marks**

**Spot – 5 marks**

## Observation

1. What is spanning tree?
2. Write down the general properties of spanning tree.
3. What are the mathematical properties of spanning tree.
4. List down some applications of spanning tree.
5. Differentiate prim's and kruskal algorithm for finding MST.

## Execution

6. Apply the concept of Kruskal and prim's to find Maximum spanning tree of graph below

