**Subject: Introduction to Machine Learning**

**Subject Code: CSE663 TR1**

**Semester: B.Tech CSE 3**

**Assignment 3**

1. You have the following data points:

Point A: (1, 2) Point B: (2, 3) Point C: (4, 5) Point D: (6, 7)

Implement a dendrogram using the single-linkage method.

1. You have the following transaction dataset:

Transaction 1: {A, B, C}

Transaction 2: {A, C}

Transaction 3: {A, B}

Transaction 4: {B, C}

Transaction 5: {A, B, C}

Compute the support, confidence, and lift for the rule {A, B} -> {C}.