ourdiu.com | Shared by Md Shahinur Rahman ( )

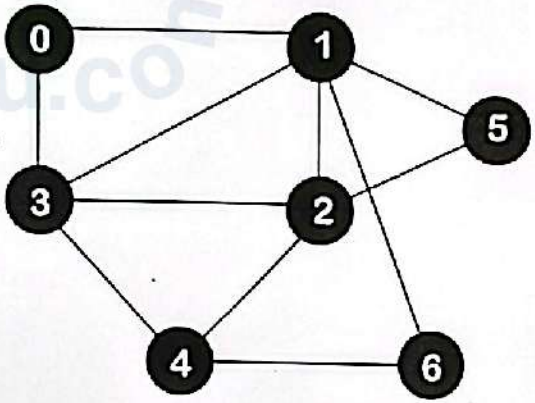
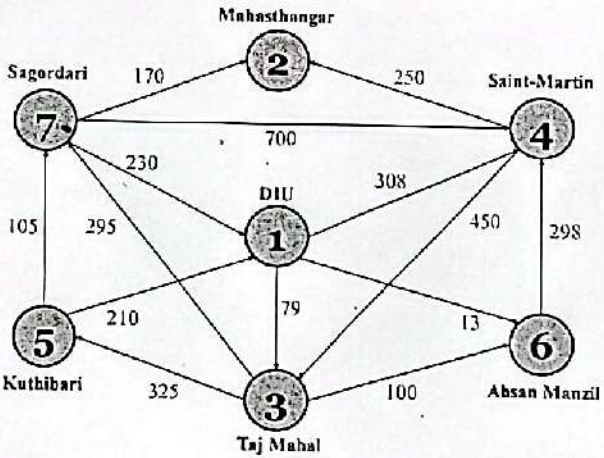
# Class Test (3) Examination: Summer-2026

**Course Code:** CIS 122 (Batch: 24)

**Course Title:** Data Structure

**Date:** 09/08/2026

**Time: 30 Minutes** **Total Marks: 15**

| | | |
|---|---|---|
| **1.** | If Depth-First Search (DFS) starts from vertex **4** in the following graph, what will be the sequence of vertices visited? Assume that when multiple adjacent vertices are available, they are selected in ascending numerical order.   | [6] |
| **2.** | Find the minimum travel distance from **Sagordari** to **Kuthibari** in the following diagram. Also, identify the corresponding shortest path.   | [9] |