

Algorithm Assignments  
B.Sc. 4<sup>th</sup> Semester Computer Science (Hons.)  
Group-A

1. Already Given.
2. Given a simple weighted connected graph. Write a menu driven C program to find the minimum spanning trees using Kruskal's and Prim's algorithm.
3. For a given simple weighted connected graph, write a menu driven C program to find the all pair shortest path using Floyd's algorithm and Floyd-Warshall algorithm.
4. For a given simple weighted connected graph, write a C program to find the single source shortest path using Dijkstra's algorithm.