

EASTERN UNIVERSITY, SRI LANKA

SECOND EXAMINATION IN SCIENCE 2001/2002

FIRST SEMESTER (April/May)

CS 251: Practical Work on Data Structures &  
Design of Algorithms

Answer either Q1 or Q2



Time : 2 Hours

{ The program should be tested for a set of sample data and their listing and output should be handed over to the supervisor }

Q1

- (a) Write a C++ function to implement the Quick sort algorithm.
- (b) Write a main program to test your function.

Q2

Write a C++ program to find the Shortest Paths from a given vertex to other vertices in a given graph.

Test your program to find all the shortest paths from the vertex 5 to all other cities.

