Department of Computer Science & Information Technology
Hazara University, Garden Campus Mansehra

Course: GRAPH THEORY
Class: BCS-V

Date: Oct 08, 2024
Marks: 5

Assignment No.1

Deadline

Your assignment must be submitted before 10: 00 AM on Oct 09, 2024.

Rules for Marking

It should be clear that your assignment will not get any credit if:

o   The assignment is submitted after due date
o   The assignment is copied

Objective

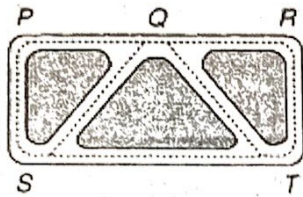The objective of this assignment is to understand

o   Basics of Graph

Q. No 1.   A simple graph G has 24 edges and degree of each vertex is 4. Find the total number of vertices.

Solution:

Q. No 2. Draw the graph representing the road system in given figure, and write down the number of vertices, the number of edges and the degree of each vertex.

Solution: