

**Sri Lanka Institute of Information
Technology Year 1 – Semester 1 (2022)**

Introduction to Computer Systems

Tutorial 9

1. Explain the following transmission impairments:
 - a. Attenuation
 - b. Distortion
 - c. Noise
2. Discuss three types of guided transmission media (your answers should include their advantages, disadvantages and how they are effected by transmission impairments)
3. List the following three modes of data transmission:
 - a. Simplex
 - b. Half duplex
 - c. Full duplex
4. Discuss the devices used in a LAN (your answers should include a description about each device's broadcast domain and collision domain)
5. How many broadcast domains and collision domains are there in the diagram below?

