

CSE307::Internetworking Essentials

Lab Evaluation 4

Set – A (Odd seating position)

Time: 2 hours

Max Marks: 100

Scenario: Office Network

Scenario:

Imagine you are the IT manager for a growing company. The company currently operates in a single office with 10 employees and uses a star topology network. Each workstation is connected to a central switch. Due to recent growth, the company is expanding to a new floor with an additional 10 employees connected in ring topology, and you need to extend the network to the new floor and connect it through the existing network. Use IPV6 addresses for each pc this time.

Set – B (Even seating position)

Time: 2 hours

Max Marks: 100

Scenario: School Network

Scenario:

You are responsible for managing the network in a school where a bus topology is used to connect various classrooms(3 classes each with 5 PCs) through switches and administrative offices(2 offices with 3 PCs each in star topology) through Switches. The classrooms and administrative offices need to be connected to each other. Implement this scenario using IPV6 addresses for each network.