# Description: 1.jpg

# MANAV RACHNA UNIVERSITY

**FARIDABAD**

**Tutorial 01**

**Objective:** to familiarize the student with different topologies in computer network.

**Outcome:** Student will be able to differentiate various topologies and their performances.

1. How does a network topology affect your decision in setting up a network?

2. For each of the following four networks, discuss the consequences if a connection fails.

a. Five devices arranged in a mesh topology

b. Five devices arranged in a star topology (not counting the hub)

c. Five devices arranged in a bus topology

d. Five devices arranged in a ring topology

1. Performance is inversely related to delay. When you use the Internet, which of the following applications are more sensitive to delay?
   1. Sending an e-mail
   2. Copying a file

c. Surfing the Internet

1. Assume six devices are arranged in a given network topologies. How many cables are needed? How many ports are needed for each device?
   1. Bus topology
   2. Ring topology
   3. Star topology
   4. Mesh topology