**Class Activity (Weekly Test)**

1) Explain the differences between LAN, and WAN.

[2 Marks]

LAN is covering a small area such as a single building. WAN covering a very large geographical area.LAN connecting a number of computers and shared devices.WAN connected via public communications networks.

2) Give two benefits of networking computers.

[2 Marks]

1.Can send the message .

2.Can do research .

Give one benefit and one drawback of using Bus, Star and Mesh Topology.(6marks)

Bus Networks

The advantages of a bus network :

Even if one node fails, the remainder of the network continues to function.

The disadvantages is if the main cable fails,the whole network goes down.

Star Networks

The advantages of a Star network:

Failure of one node does not affect the network

The disadvantages is long cables may be required to connect each node to the server.

Mesh Networks

The advantages of a Mesh network :

It is easy to identify where faults on the network have occurred.

The disadvantages of a Mesh network are:

A large amount of cabling is needed, which is expensive and time consuming.