RAMA UNIVERSITY

www.ramauniversity.ac.in

FACULTY OF ENGINEERING & TECHNOLOGY

DCS-503 Computer Networks

Lecture-01

Mr. Dilip Kumar J Saini
Assistant Professor
Computer Science & Engineering

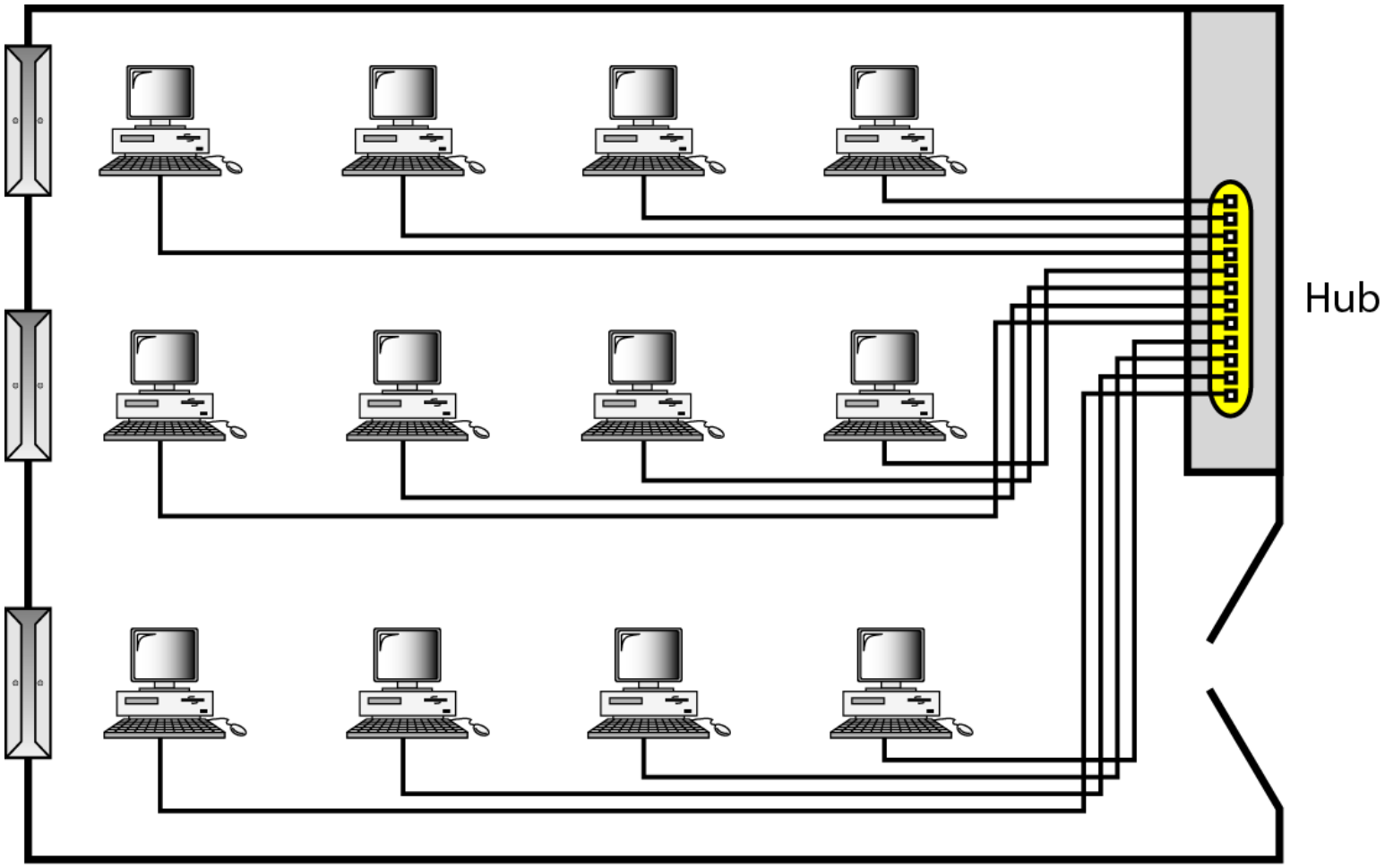
OUTLINE

- MODEL OF NETWORK COMPUTING
- LANs(Local Area Networks)
- MANs (Metropolitan Area Networks)
- Wide Area Networks (WANs)

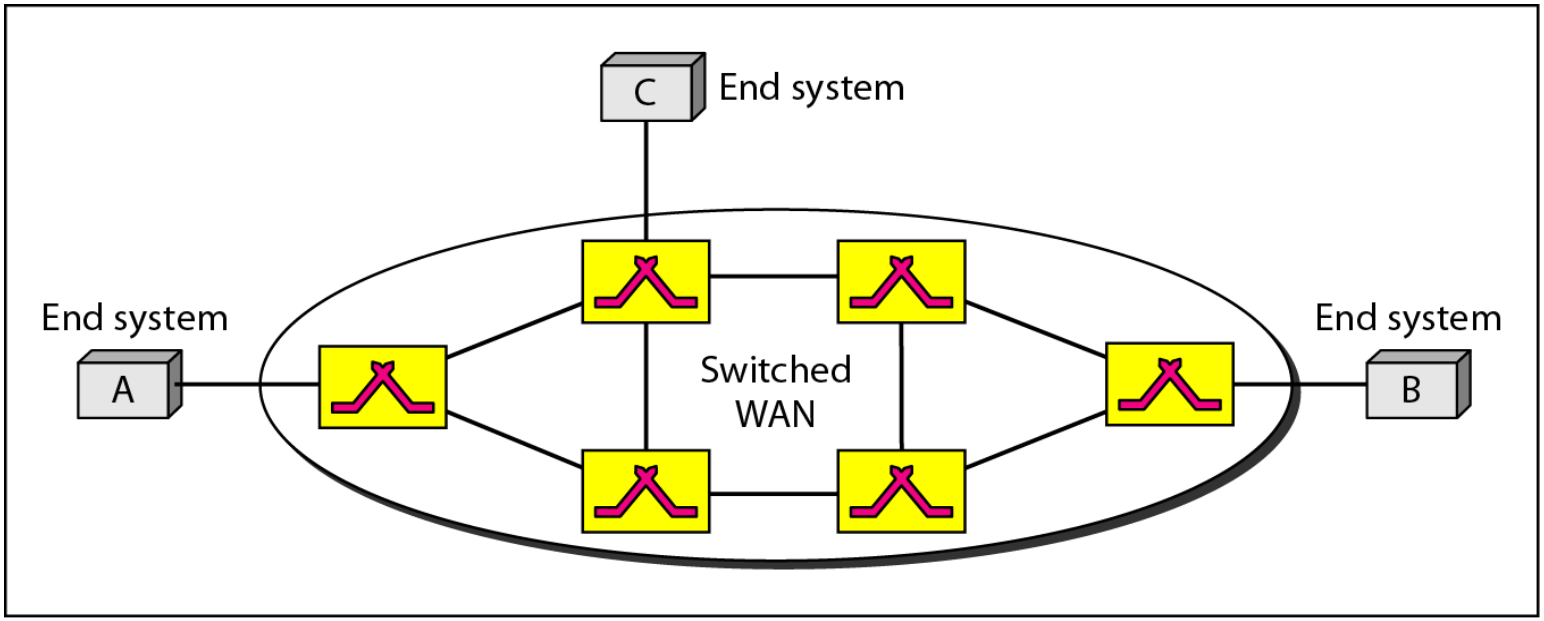
MODEL OF NETWORK COMPUTING

- **Local Area Networks (LANs)**
  - Short distances
  - Designed to provide local interconnectivity
- **Wide Area Networks (WANs)**
  - Long distances
  - Provide connectivity over large areas
- **Metropolitan Area Networks (MANs)**
  - Provide connectivity over areas such as a city, a campus

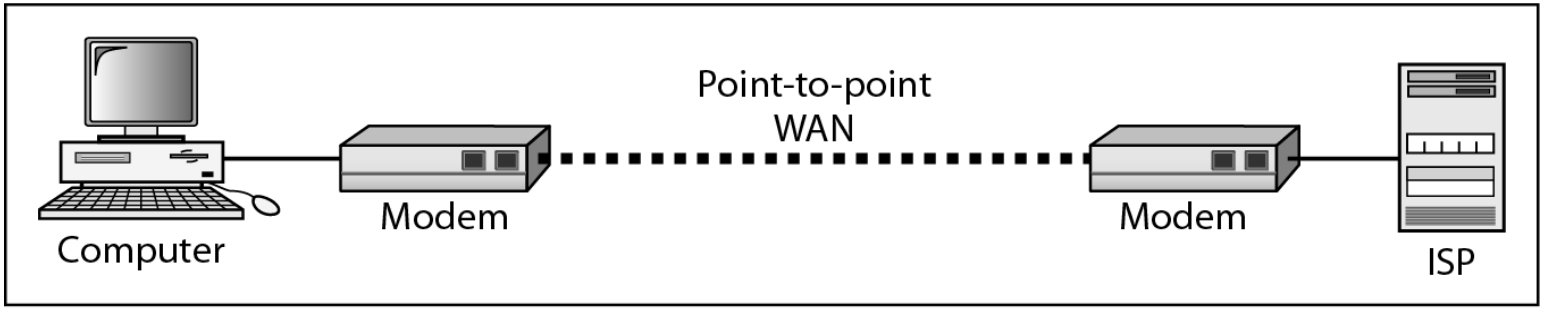
LAN connecting 12 computers to a hub



WANs: a switched WAN and a point-to-point WAN

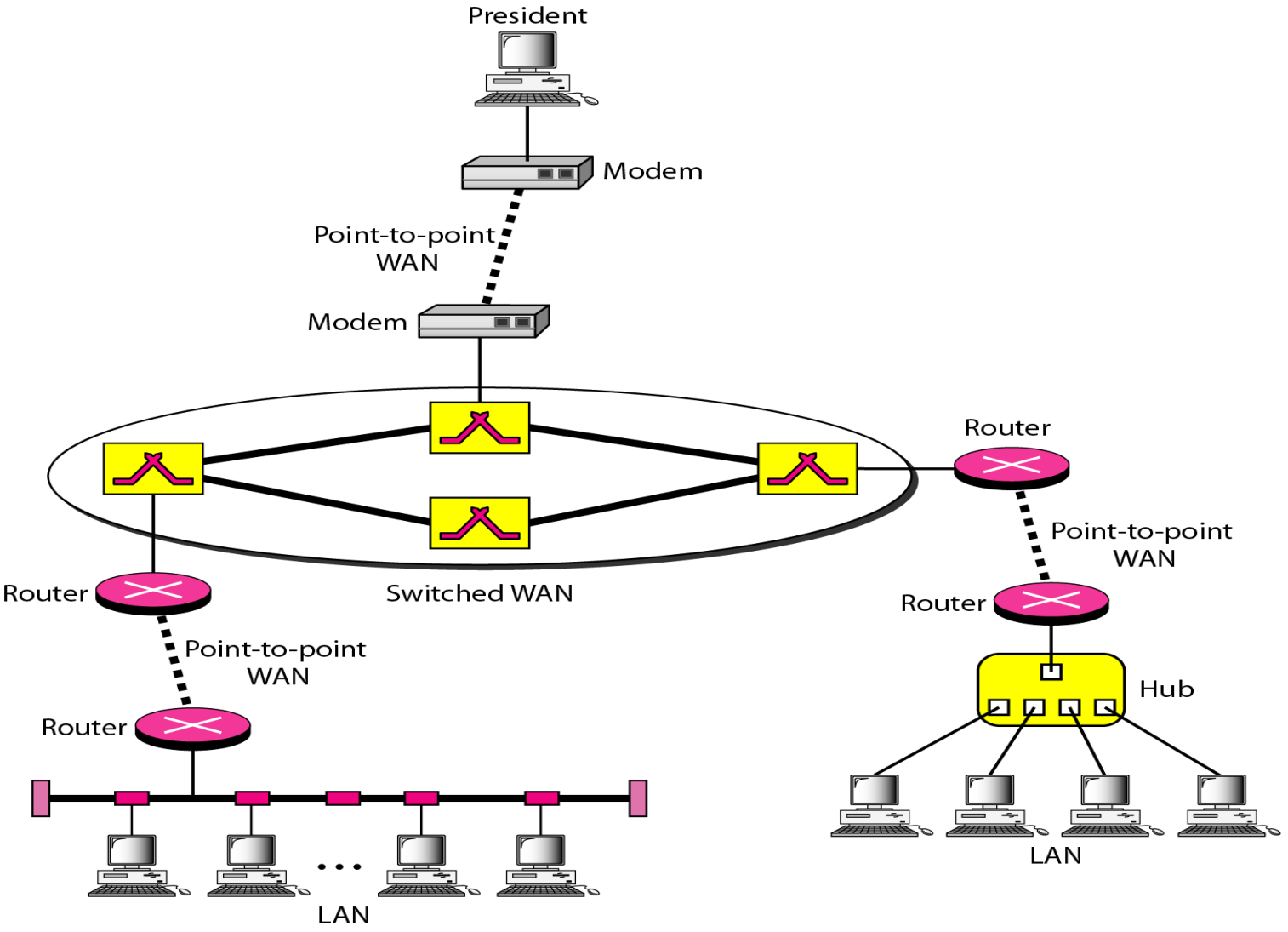


a. Switched WAN



b. Point-to-point WAN

A heterogeneous network made of four WANs and two LANs



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

1. A ……is usually privately owned and links the devices in a single office.

a)LAN b)MAN c)WAN d) all of the above

2. .....can determine the category of a network

A) Size B)Ownership C)The Physical architecture D)all of the above

3. Which of the following covers the smallest geographic area?

A)PAN B)LAN C)MAN D)WAN

4. Which of the following is a collection of many separate Network?

A)PAN B)LAN C)MAN D)WAN

5. A _____WAN can be developed using leased private lines or any other transmission facility

A)Hybrid B)Peer-to-Peer C)Autonomous D)Integrated

REFERENCES

- http://www.engppt.com/2009/12/networking-fourozan-ppt-slides.html