

Question Bank (G Scheme)

Name of subject: **COMPUTER NETWORKS**

Unit Test: **1**

Subject code: **17429**

Course: **CM**

Semester: **IV**

Chap 1) BASIC NETWORK CONCEPTS

3 Marks Question

- 1) State and explain the services provided by the network to organizations.
- 2) What are the performances of a network.
- 3) State the various type of network.

4 Marks Question

- 4) State the advantages & disadvantages of peer to peer network.
- 5) State the various components of computer network.
- 6) Explain the centralized management of software, maintenance, data backup.
- 7) Explain peer to peer & client server network.
- 8) Explain file sharing & printer sharing.
- 9) Explain e-mail and remote access.

Chap 2) NETWORK TOPOLOGIES AND NETWORK DEVICES (22 marks)

3 Marks question

- 10) Name the different network topology types.
- 11) Explain the basic concepts of bus topology the help of suitable diagram.
- 12) Write a short on mesh topology.
- 13) State advantages and disadvantages of bus topology.

4 Mark question

- 14) What is NIC? State three function of NIC.
- 15) Which situation modem is useful in network?
- 16) Compare HUB switches.
- 17) What is gateway?
- 18) What is router? Explain types.

Chap 3)TRANSMISSION MEDIA.

3 Marks Question

- 19) List types of cable. Explain any one.
- 20) Explain any three types of transmission media commonly used.
- 21) State the selection criteria of transmission media

4 Marks Question

- 22) Describe any six general characteristics of co-axial cable.
- 23) Compare STP &UTP transmission.
- 24) With help of diagram describe function of optical fiber cable.
- 25) Compare twisted pair cable and co-axial. On basis of:
 - Cost,
 - bandwidth,
 - Attenuation,
 - EMI.