BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

QUESTION BANK

Unit Test-I

Program : - Computer Engineering Group   Program Code:- CM

Course Title: - Data Communication & Computer Network   Semester: - Fourth

Course Abbr &Code:-DCC (22414)   Scheme: I

CHAPTER-1 (Fundamentals of Data Communication & Computer Network) (CO1)

2 MARKS

1. Define computer network.
2. Define bit rate and baud rate.
3. List any 2 applications of computer network

4 MARKS

1. State any four advantages of peer to peer network over client server network.
2. Classify network on the basis of their geography.

3. Differentiate between LAN MAN and WAN w.r.t Bandwidth setup cost error rate owner
4. Differentiate between analog signal and digital signal

5. Describe modes of communication
6. Classification of transmission media

CHAPTER-2 (Transmission Media and Switching) (CO2)

2 MARKS

1. Define guided media with its examples.
2. State any 2 applications of microwave communication.
3. State types of Multiplexing.

4 <u>MARKS</u>

1. Describe Coaxial cable with diagram.

2. Describe UTP and STP.

3. Describe Frequency Division Multiplexing

4. Differentiate between FDM and TDM

5. Describe Circuit switching with example.

6. State advantages and disadvantages of packet switching.
7. With the help of diagram , explain satellite communication

8. Compare twisted pair cable and coaxial cable with respect to:

    1. Cost   2. Bandwidth   3. Attenuation   4. EMI

CHAPTER-3 (Error Detection, Correction and Wireless Communication) (CO3)

2 <u>MARKS</u>

1. Define burst error.

2. List error detection methods.

4 <u>MARKS</u>

1. Describe different types of errors in data communication.

2. Describe Forward Error Correction.

3. Describe Vertical Redundancy Check.