Subject: Data Communication   **Total Time: 2 Hr.**
Subject Code: CP04602T   **Total Marks: 50**

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING   **2*8=16**

1.1 What is a node?

1.2 Name two methods of packet switching

1.3 Define protocol

1.4 What is framing

1.5 Compare transit and response time

1.6 Draw the Ethernet frame format

1.7 What are the types of errors?

1.8 Name the layers of ATM

1.9 What is FTP?

1.10 List the network security methods

2.0 ANSWER ANY SIX OF THE FOLLOWING   **3*6=18**

2.1 Write a short note on the primary categories of computer network

2.2 Explain the working of a modem

2.3 Explain Router and Bridges

2.4 Make a comparison between TCP & UDP

2.5 State the different types of routings

2.6 What are the classification of network attacks?

2.7 Write a short note on public key cryptography

2.8 Draw the classification of switching

3.0 ANSWER ANY FOUR OF THE FOLLOWING   **4*4=16**

3.1 Explain the types of data communication with diagram

3.2 Draw & explain the OSI reference model

3.3 Draw the concept of encapsulation and decapsulation

3.4 Explain the components of data communication

3.5 List out the various topologies in computer network and explain in brief

3.6 Briefly explain flow control and error control