BCA / Integrated MCA 2nd Semester Examination  
INTRODUCTION TO COMPUTER NETWORK  
Subject Code: CAL-108

Time Allowed: 03 hours.           Maximum Marks: 100

Before answering the question paper the candidate should ensure that they have been supplied the correct question paper. Complaints in this regard, if any, shall not be entertained after the examination.

Note: Attempt any five questions and all questions carry equal marks.

Section – A

1. (a) Define the following term in a signal.    (10)
   i) Bit rate.
   ii) Band width.
   (b) Explain Transmission Impairment in detail. (10)

2. (a) What is Ethernet? Explain various types of Ethernet. (15)
   (b) What do you mean by network? Explain the benefits of network? (5)

3. (a) Define LAN MAN WAN networks with diagram compare with each other . (15)
   (b) What do you mean by NIC? Discuss. (5)

Section – B

4. (a) Explain various N/W Topologies with diagram, and give the advantages and disadvantages of each topology. (12)

   (b) Define Adhoc and Infrastructural network. Discuss and differentiate. (8)

5. (a) Describe TCP/IP Model, with each layer’s protocol and functions. (15)
   (b) Explain UDP protocol with datagram? (5)

6. Write a detail note on the following- (5 x 4)
   (a) Digital Signature.
   (b) Firewall.
   (c) IP Address and Port
   (d) WWW