TE-sem V - old - Computer Engg
CN   25/5/15

(OLD COURSE)   QP Code : 3788

Hours : 03   Marks :100

Note:

1) Question no. one is compulsory

2) Attempt any four out of the remaining six questions.

3) Draw the suitable diagram wherever is necessary.

Q1: (a) Explain the layers details of OSI and TCP/IP Models.   10

   (b) With a neat diagram compare the uses and functions of different hardware   10

        Components/devices used in an inter network.

Q2: (a) Explain the various methods for congestion control used in datagram subnets.   10

   (b) Explain HDLC Protocol.   10

Q3: (a) What is the function of TCP Protocol? Discuss its header format.   10

   (b)Explain sliding window protocol using Go Back –N Techniques.   10

Q4: (a) What is IPV4 Protocol? Explain the IPV4 Header format with diagram   10

   (b) What are transport service primitives?   10

Q5: (a) Explain CSMA/CD.   10

   (b)List the features of Bluetooth and explain the network formation process.   10

Q6: (a) Explain the different factors associated with quality of service in inter network.   10

   (b) What are the different types of routing? Explain any one in detail.   10

Q7: Write short notes on: (any two)   20

        (a)SONET

        (b)Satellite Networks

        (c) Layer2 v/s Layer 3 switching

RJ-Con. 10350-15.