NC 03

Roll No :   Total Number of Printed Pages :1

Total Number of Questions : 9

Duration (Hours) :   3   Maximum Marks : 60

Q1. Differentiate Between following :   (4 X 4=16)
   (a) MAN and WAN
   (b) TCP and UDP
   (c) HTTP and SMTP
   (d) Ring and Star topology

Q2. What tasks are performed by the following layers :   (5)
   (i) Network Layer (ii) Session Layer

Q3. What do you mean by channel capacity ? Explain the key factors affect
   Channel capacity.   (5)

Q4. What are the advantages of Fiber Optic cables ? Explain with example. (5)

Q5. Write notes on FDDI .   (4)

Q6. Explain packet switching – How does packet switching differ from a
   Switched network.   (8)

Q7. What is Internet Protocol Stack. Explain the layers of IPS.   (8)

Q8. Explain the basic principles of CSMA/CD. How is it different from
   a Token ring protocol ?   (5)

Q9. What is a computer network ? List the three applications of computer
   network and explain its features.   (4)