ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
M.Tech II-Semester Regular Examinations, May 2016
COMMUNICATION NETWORKS
(Communication Systems)

Date:	Time: 3 hours	Max Marks: 60

Answer ONE Question from each unit
All questions carry equal marks
All parts of the question must be answered at one place only

UNIT-I

1. a) Describe about the ATM adaptation layer (AAL) & sub layers ? Describe their responsibilities with the help of diagrams.   [12M]

(OR)

2. a) Discuss about the Frame Relay layers.   [5M]
    b) Briefly describe the issues involved in using ATM Technology in LANs.   [7M]

UNIT-II

3.   a) Explain the difference between the connection-oriented acknowledged services and connection-less acknowledged services. How do the protocols that provide these services differ?   [7M]
    b) Discuss the merits of the end-to-end versus hop-by-hop approaches to providing a constant transfer delay for the information transferred from a sending end system to a receiving end system.   [5M]

(OR)

4.   a) Discuss the factors that should be considered in deciding whether an ARQ protocol should act on a frame in which errors are detected.   [12M]

UNIT-III

5. a) Discuss about the Transmission control protocol.   [7M]
    b) Briefly describe the issues involved in multicasting routing protocols in data transferring.
                                                                                      [5M]

(OR

6.   a) Briefly Explain the difference between the uni-casting and the multicasting routing protocols.   [12M]

MODEL PAPER

UNIT-IV

7. a) What RSVP reservation style is appropriate for distributed network gaming.   [5M]
    b) Should RTP be a transport layer protocol? Explain why or why not.   [7M]

(OR

8. a) Discuss briefly about the relationship between java and an active documentation. [6M]
    b) What is HTTP? Discuss how it is related to WWW.   [6M]

UNIT-V

9. a) What is cryptography in security protocol explain briefly.   [8M]
    b) Explain about the firewalls how it can prevent the system from harmful messages. [4M]

(OR

10. a) Briefly describe about the SSL/TLS services in the security protocol.   [6M]
    b) Explain about the security application layer pretty good privacy how it provides the confidential e-mails in the security protocol.   [6M]

*****