

Exam.Code:0970
Sub. Code: 7056

2063

M.E. (Electronics and Communication Engineering)
Second Semester
ECE-1207: Advanced Computer Networks

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Answer the following:-

- a) Differentiate between LAN, WAN and MAN.
- b) What is error control in data link layer?
- c) What is label switching and MPLS?
- d) Explain the concept of tunneling.
- e) What is world-wide web?

(5x2)

UNIT - I

II. a) Explain TCP/IP reference model.

b) Explain X-25.

(7,3)

III. Explain leaky bucket algorithms for congestion control.

(10)

IV. a) Explain stop and wait ARQ error control method.

b) Write a short note on broadband wireless (802.16)

(2x5)

UNIT - II

V. a) Differentiate between ARP and DHCP protocols.

b) Explain the file transfer protocols (FTP).

(2x5)

VI. Explain the mechanism of connection establishment, connection release in transport layer.

(10)

VII. Differentiate between symmetric key and asymmetric key algorithms.

(10)

x-x-x