

Code: EC6T6

III B.Tech - II Semester – Regular Examinations - May 2015

**COMPUTER NETWORKS
(ELECTRONICS & COMMUNICATION ENGINEERING)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Describe about Novel Netware IPX-Packet. 7 M
- b) Explain Network Topologies in LAN. 7 M
- 2 a) List the types of Transmission mediums in Computer Networks. Explain about Optical fiber channel. 7 M
- b) Explain the Packet Switching Techniques in the Computer Networks. 7 M
- 3 a) What are the Error-Detection Techniques? Explain about Digital Logic CRC technique with example. 7 M
- b) Explain Sliding –Window Flow Control Protocol with a neat diagram. 7 M
- 4 a) Describe Slotted ALOHA and CSMA/CD. 7 M
- b) Write short notes on Ethernet. 7 M

- 5 a) Compare virtual path and datagram. 7 M
- b) Discuss the shortest path routing Algorithm. 7 M
- 6 a) Explain the Leaky –Bucket algorithm. 7 M
- b) Draw and Explain IPV4 Header format. 7 M
- 7 a) Compare TCP and UDP. 7 M
- b) Explain the elements of transport protocols. 7 M
- 8 a) Describe DNS name space. 7 M
- b) Draw a simple network management model and describe the following term 7 M
- i) Host
 - ii) SNMP Agent
 - iii) Management Station