

Code: CSCS2T4

I M.Tech - II Semester - Regular Examinations - September 2015

COMPUTER NETWORKS
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain about OSI reference model with a neat sketch. 8 M

b) Explain about circuit switching. 6 M
2. a) Explain about client-server model. 6 M

b) Explain the following protocols. 8 M
i) HTTP ii) FTP
- 3.) Explain about TCP and UDP protocols in detail. 14 M
4. a) Explain about multicast routing. 6 M

b) Write about OSPF routing protocol. Explain how it is implemented in network layer. 8 M

5. a) With suitable example CRC. 7 M
- b) Explain about ALHWA in detail. 7 M
6. a) Explain about guided transmission media. 7 M
- b) Explain the differences between digital transmission and analog transmission. 7 M
- 7.) Explain the two different compression mechanisms for Images. 14 M
8. a) Define firewall. What are different types of firewalls. 6 M
- b) Explain Symmetric Key Ciphers. 8 M