

Sub. Name : **COMPUTER NETWORKS**

Sub. Code : **EC2352**

Duration : **180 minutes**

Date : **10.03.2015**

Branch : **ECE**

Max. Marks : **100**

**Part A - (10 x 2 = 20) Answer all the Questions:**

1. Specify the range of Class-C IPV4 Address.
2. What is the need for ARP?.
3. Define ICMP.
4. Define DHCP.
5. Define Routing Table and draw the table with the minimum required Fields.
6. Mention any two applications of TCP & UDP.
7. What is meant by QoS ?.
8. Define IANA.
9. Which protocol is faster either TCP or UDP? Why?.
10. Define Congestion.

**Part B - (5 x 16 = 80) Answer the Questions As per the Choice:**

11. (a) Explain the operation of Distance Vector Routing Protocol with example. (16)

**(OR)**

11. (b) Explain the operation of Link state routing Protocol with example. (16)

12. (a) Explain the Following:

i) Internet Protocol (12)

ii) Router (4)

**(OR)**

12. (b) Write short notes on the following:

i) BOOTP (8)

ii) Multicast Routing (8)

13. (a) Explain in detail about the ARP & RARP Mechanisms with neat diagram. (16)

**(OR)**

- 13.(b) Explain in detail Window Management in TCP. (16)

- 14.(a) Discuss TCP and its hand shake mechanism with neat diagram (16)

**(OR)**

14. (b) Explain the Congestion control technique in transport layer of OSI Model. (16)

- 15.(a) Discuss in detail about the technique used to improve QoS. (16)

**(OR)**

15. (b) i) Discuss the features and applications of UDP. (8)

ii) Compare TCP & UDP. (8)