



BL-2331

Seat No. _____

M. Sc. (CA & IT) (Sem. VIII) Examination

March / April - 2014

801 - Advance Networking

Old Course

Time : 3 Hours]

[Total Marks : 70

Instruction : Draw the figures where it is necessary.

- 1 Explain TCP/IP protocol suit with proper figure. 5

- 2 Do as Directed :
 - A. Answer any two from followings. 14
 1. Describe function of ARP and draw header format of ARP.
 2. Explain IPv4 header format with all the fields.
 3. What is the need of ICMP? Explain query messages in detail.
 - B. Discuss delay response in IGMP with figure. 3

- 3 Answer any two from followings. 14
1. Explain 3-way handshake in connection establishment of TCP.
 2. Explain process-to-process communication, socket address and applications of UDP.
 3. Discuss congestion policy of TCP with proper diagram.
4. Answer any four from followings. 24
1. What is Bootstrapping? discuss operation of BOOTP.
 2. Explain need of DNS and domain name space.
 3. Discuss time-sharing environment and NVT character set in detail.
 4. Discuss SMTP and POP3 function in detail.
 5. Explain concept of SNMP and discuss how it help manage network.
5. Answer any two from following : 10
1. Explain IPv6 header format in detail.
 2. Discuss Mobile IP and two cross problem.
 3. Discuss multimedia service requirements.