

Roll No

MCTA - 202**M.E./M.Tech., II Semester**

Examination, July 2015

Advance Computer Network**Time : Three Hours****Maximum Marks : 70**

Note : Attempt any five questions. All questions carry equal marks.

1. a) What is CIDR? Why CIDR also called super netting?
b) Write down different special address? Also justify their importance in networking.
2. a) What is network file system? How is it implemented?
b) BGP is also distance vector protocol. How is it different from RIP?
3. a) Explain RARP packet format? What are the alternative solutions of RARP?
b) What is proxy ARP? Explain the ARP packet format.
4. a) Explain the IPv4 header format. In IP address 193.206.18.19. What are the net id, host id and net mask?
b) What is VPN and why is it needed? Discuss VPN host management in brief.

5. a) What does a router do with the time to live value in an IP header?
b) Write a brief notes on broadcast routing and multicast routing.
6. a) What is the purpose of DNS, When we can directly used an IP address? If DNS domain name is AA.BBB.Com, How man labels are involved here? What is the lowest level domain and highest level domain in the above mentioned domain name?
b) Under what circumstances ICMP generate following types of Messages :
 - i) Source Quench
 - ii) Unreachable destination
7. a) What is SNMP? Explain different security levels implemented in SNMP.
b) What are event handlers? Explain Java Script Event handlers with an example.
8. a) What is the cookie? What are its uses? Discuss the pros and cons of cookies.
b) Explain Common Gateway Interface (CGI) and Uniform Resource Locator and its format?
