

Roll No

CS - 8201
B.E. VIII Semester
Examination, June 2014
Network Management

Time : Three Hours

Maximum Marks : 70

Note: Attempt one question from each unit. Each unit have internal choice. Assume suitable data / value if required.

UNIT-I

1. a) Explain about principal components of a network management architecture. 7
- b) Draw the SNMP PDU format and explain the function of each field. 7

OR

2. a) Write classification of network management system. Explain briefly each of them? 7
- b) Explain about SGMP. 7

UNIT-II

3. a) Discuss about structure of management information. 7
- b) Discuss the various function of SMI. 7

OR

4. a) Describe about Desktop Management Interface (DMI). 7
- b) How SMI and MIB helps SNMP? Explain in brief. 7

UNIT-III

5. a) How is subnet mask useful in IP addressing? Explain with an illustration. 7
 b) What do you mean by address mapping? Discuss ARP operation with a diagram. 7

OR

6. a) Draw the format of an ARP packet and explain the function of each field. 7
 b) What is the purpose of using extension headers in IPv6? Explain its usefulness as compared to IPv4 protocol. 7

UNIT-IV

7. a) What is interdomain routing? Explain OSPF protocol with a diagram. 7
 b) Draw routing table format. Explain briefly about each field. 7

OR

8. Write short note on: 14
 a) VPN
 b) RIP
 c) NAT

UNIT-V

9. a) Draw message format of ICMP. Explain about error reporting. 7
 b) Discuss TCP operation and service model with a diagram. 7

OR

10. Write the short note on 14
 a) FTP
 b) SMTP
 c) RPC
 d) NFS