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

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