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Roll No

CS-8201**B.E. VIII Semester**

Examination, June 2017

Network Management**Time : Three Hours****Maximum Marks : 70**

Note: i) Answer any five questions, each question carries equal marks.
ii) Assume suitable data if missing.

1. a) Justify the importance of SNMP in Network Management? Also, explain various SNMP operations. 7
b) Describe the principle components of network management architecture. 7
2. a) Describe briefly about security and fault management. 7
b) With the help of neat diagram explain the architecture of desktop management interface? 7
3. a) What is Remote Monitoring? With a neat diagram explain the network configuration with RMONS. 7
b) Write a brief note on Management Information Base and its structure. 7
4. a) Let IP address 200.210.60.76/28, find the subnet mask subnet Id, broadcast address and also find total number of subnet and total number of host in subnet. 7
b) What are the functions of ARP? Also, give the frame format of ARP. 7

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5. a) What are the Limitation of IPv4 Protocol? Give the comparison of IPv4 with IPv6? 7
b) Define IP address and its structure. Also write different classes of IP address. 7
6. a) Define Routing? Give the various types of routing methods used in network. 7
b) Describe in brief OSPF (Open Shortest Path First) with suitable example. 7
7. a) Write the various types of ICMP messages. 7
b) Explain SMTP in brief. What is user agent and message transfer agent in SMTP. 7
8. Write short note on any three: 14
i) Virtual Private Network (VPN)
ii) BGP
iii) Telnet
iv) File Transfer Protocol

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