Roll No ....

CS - 7101
B.E. VII Semester
Examination, December 2012
Network Management

Time : Three Hours

Maximum Marks : 100　　　　**Minimum Pass Marks :35**

Note:　Attempt *One* question from each unit
　　　　All questions carry equal marks.

UNIT - I

1. (a) What is configuration management? How security can be managed in network?　　　10

　 (b) Explain various configuration of Network management system.　　　10

OR

2. (a) Does it make sense to use SNMP to manage all device? Why or why not?　　　10

　 (b) Write short note on evolution of Network management?　　　10

UNIT - II

3. (a) Explain the working and use of NMS meter-ware.　　10

　 (b) Explain MIB (Management Information Base) variables. Consider the implementation of an SNMP agent, does it make sense to arrange MIB variables in memory exactly in the way SNMP describes them. Why or why not?　　　10

OR

4. (a) What is DMI? Also explain Desktop Management interface (DMI) architecture?　　　10

　 (b) Why RMON monitoring is used in networks?　　10

UNIT - III

5. (a) Any implementation of ARP that uses a fixed size cache can fail when used on a network that has many hosts and much ARP traffic. Why and why not?　　　10

　 (b) Discuss different layers of TCP/IP protocol suite. Also name protocols related to different layers of TCP/IP protocol suite?　　　10

OR

6. (a) Given IP address 168.90.80.66 and mask 255.255.255.192 calculated.　　　10

　　 (i) Total no. of hosts.

　　 (ii) How many bits are used for network subnet?

　　 (iii) Total no. of subnets.

　　 (iv) Subnet Address

　　 (v) Broadcast Address

　 (b) Compare IPV_4 and IPV_6?　　　10

UNIT - IV   rgpvonline.com

7. (a) Discuss and give example of interior or exterior gateway protocol. Explain any one of interior gateway protocol.
10

   (b) How datagram are routed in internet? Explain route discovery.   10

OR

8. (a) Explain concept of virtual private network.   10

   (b) How classless Addressing scheme is used in network? Also discuss its advantages and disadvantages?   10

UNIT - V

9. (a) Describe error reporting mechanism in IP. Give typical list of various error reported through ICMP.   10

   (b) What is window management in TCP/IP? Explain in detail.   10

OR

10. Write detailed note on any two of following :   20

    (i) IGMP

    (ii) Remote procedure call (RPC)

    (iii) SIMPLE Mail transfer Protocol (SMTP)

    (iv) Network file system.

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