Total No. of Questions :5]   [Total No. of Printed Pages :2

Roll No ....

CS - 8201
B.E. VIII Semester
Examination, June 2016
Network Management

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each question are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What is distributed configuration?
   b) Define term Selected Management Strategy.
   c) Describe the various issues related to measuring network performances.
   d) Explain in brief Network Management framework.

OR

Define and explain the SNMP access policy. Also explain the SNMP network management architecture.

Unit - II

2. a) What is DMI Browser?
   b) Define term Management Information Base (MIB).
   c) How to configure and organize SNMP objects using SNMP for various applications.
   d) Explain the architecture of Desktop Management Interface.

OR

What is remote monitoring? Explain the relationship between control and data tables.

Unit - III

3. a) Differentiate between IPv4 and IPv6.
   b) Differentiate between TCP and IP.
   c) What is RARP? What are the alternative solutions of RARP?
   d) Write down different special address? Also justify their importance in networking.

OR

Explain the frame format of ARP. What is the function of ARP.

Unit - IV

4. a) What is GGP?
   b) BGP is also distance vector protocol. How is it different from RIP?
   c) What is routing of IP Packets? Discuss various routing information protocol.
   d) Define Classless Inter Domain Routing. List and describe the limitations of CIDR.

OR

What are the advantages of combining NAT technology with VPN technology? Also discuss its disadvantages.

Unit - V

5. a) What is X-Window?
   b) What is Remote Procedure Call?
   c) Explain IGMP routing protocol. Explain its operation and encapsulation.
   d) Explain all the steps required in SMTP for sending an email from xxx@yy.com to yyy@xxx.com starting from the connection establishment to the delivery of the email.

OR

Under what circumstances ICMP Generate the following types messages:
i) Parameter Problem   ii) Time-Exceeded

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