

Roll No

CS-8201 (GS)
B.E. VIII Semester
Examination, November 2019
Grading System (GS)
Network Management

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Justify the importance of SNMP in Network Management? Also, explain various SNMP operations.
b) Describe the principle components of network management architecture.
2. Explain what infrastructure is required for order processing and provisioning services and why?
3. a) Write configuration of SMMP. Also write role of extension agents.
b) Write comparison IPv4 and IPv6.
4. a) What is Remote Monitoring? With a neat diagram explain the network configuration with RMONS.
b) Write a brief notes on DMI Browser.

5. a) Describe the working of Open Shortest Path First Protocol (OSPF) with suitable example.
b) Explain the concept of designing a Virtual Private Network (VPN)? Why it is designed and list out benefits from it?
6. a) What is VPN and why is it needed? Discuss VPN host management in brief.
b) What is CIDR? Why CIDR also called supernetting?
7. a) Write the various types of ICMP messages.
b) Explain SMTP in brief. What is user agent and message transfer agent in SMTP. http://www.rgpvonline.com
8. Given IP address 168.90.80.66 and mask 255.255.255.192, calculate:
 - a) How many bits are used for network subnet and host?
 - b) Total No. of hosts
 - c) Total No. of subsets
 - d) Subnet address
 - e) Broadcast address
