

Roll No

CS-8201 (GS)

B.E. VIII Semester Examination, June 2020

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) Write a short note on Network Management Configuration.
b) Describe the various issues related to measuring network performances.
2. 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.
3. a) Describe briefly about security and fault management.
b) With the help of neat diagram explain the architecture of desktop management interface?
4. 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
5. What are the limitations of IPv4 protocol? How these can be overcome in IPv6? Also make a comparison between IPv4 and IPv6.
6. Write short notes:
 - a) X-window system protocol
 - b) Network Address Translation
7. a) Explain Open Shortest Path First Protocol (OSPF) with the help of example.
b) Explain the concept of CIDR with example.
8. Write short notes on the following : (Any Two)
 - a) Remote Procedure Call
 - b) OSPF
 - c) ARP
 - d) IPv6
