

INTERNT TECHNOLOGY

Time : Three Hours

Maximum Marks : 90

Note : Total **five** questions are to be attempted. Select **one** question from each unit. Question No. 1 is compulsory.

Compulsory Question

1. Answer all the following :
 - (a) What is Subnetting ? 2
 - (b) What is the use of Telnet ? 2
 - (c) Which protocols are used for sending and receiving E-mail ? 2
 - (d) Define File Transfer Protocol. 4
 - (e) What do you mean by Cookies ? 2
 - (f) Differentiate between UDP and TCP. 4
 - (g) What is Digital signature ? 2

UNIT-I

2. What are the advantages and disadvantages of IPv6 over IPv4 ? Discuss various features of IPv6. 18
3. What is Internet ? Explain differences between Internet and Intranet with suitable example and diagram. 18

UNIT-II

4. Explain the process of connection establishment and connection termination in TCP. 18
5. Explain briefly Remote Procedure Call and ICMP. 18

UNIT-III

6.
 - (a) Differentiate between HTTP and FTP. How a HTTP request is serviced ? 9
 - (b) What is MIME ? How does it help in sending binary data via E-mail message ? 9
7. Write short notes on the following :
 - (a) Web based E-mail.
 - (b) IP Telephony. 18

UNIT-IV

8. What is Virtual Private Network ? Discuss VPN addressing and routing with suitable diagram. 18
9. What is Internet Security ? Explain briefly various Internet security measures. 18