

INTERNET TECHNOLOGY

Time : 3 Hours

Maximum Marks : 90

Note : Answer five questions in all. Select one question from each unit in addition to compulsory question No. 1. All questions carry equal marks.

(Compulsory Question)

1.
 - a) What is Web browser? Name any two web browsers.
 - b) What are the advantages of IPv6 over IPv4?

- c) Compare UDP and TCP.
- d) What is IP address?
- e) Which protocol is used for remote login?
- f) What do you understand by Firewall?
- g) Define Web security.

Unit-I

- 2. What is Internet? Explain various applications of Internet.
- 3. What is TCP/IP model? Discuss its various protocols.

Unit-II

- 4. What is DNS? How domain names are mapped addresses? Explain recursive and iterative nature resolution.
- 5. Briefly explain the DHCP and ICMP protocols.

Unit-III

- 6. What is E-mail? Which protocols are used for sending and receiving E-mail? Discuss the architecture of E-mail system.
- 7. Discuss FTP and Telnet protocols.

Unit-IV

- 8. What is Internet Security? Discuss briefly various security threats and security measures.
- 9. Write short notes on the following :
 - a) Virtual Private Network (VPN).
 - b) Network Address Translation (NAT).