

BCA/M-16
INTERNET TECHNOLOGY
PAPER-BCA-364

Time Allowed: 3 Hours

Maximum Marks: 80

Note: Attempt five questions in all. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. Compulsory Question :

- (a) What do you understand by WWW ?
- (b) Enlist some popular search engines.
- (c) What is the main difference between IPv4 and IPv6 addressing ?
- (d) What is IGMP ?
- (e) What do you mean by web-based mail ?
- (f) How can remote login be done ?
- (g) What is the difference between Unicast and Multicast ?
- (h) What is the need of firewall ?

UNIT-I

- 2.
 - (a) Discuss various ways to create information on the web.
 - (b) Write a short note on Web browser and Chat on web.
- 2. Describe the architecture and layers of TCP/IP in detail.

UNIT-II

- 4.
 - (a) What do you mean by recursive and iterative resolution in mapping ?
 - (b) Explain the packet formats of UDP and IP protocols.
- 5. Write short notes on the following :
 - (i) ICMP
 - (ii) DHCP
 - (iii) ARP
 - (iv) RARP

UNIT-III

- 6.
 - (a) What is NFS ? Explain its working in detail.

- (b) Explain SMTP and MIME in detail.
- 7. (a) Explain the concept of VOIP. How does it work?
- (b) What are RTP and RCTP ? Explain differences in their features

UNIT-IV

- 8. (a) What is Mobile IP ? Explain in detail.
- (b) Discuss various measures for Internet security.
- 9. (a) What is VPN ? Discuss various types of VPNs.
- (b) Describe the format along with working of IPSec.