

Roll No.....

Printed Pages: 2

1874

BCA/M-15
INTERNET TECHNOLOGY
Paper-BCA-363

Time allowed: 3 hours]

[Maximum marks: 80

Note: Attempt **five** questions in all, selecting at least one question from each unit.
Question No.1 is Compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What are the main uses of Internet?
(b) What is Super netting?
(c) What are the various IANA ranges?
(d) What is RARP?
(e) What are the basic functions of E-mail system?
(f) What do you mean by anonymous FTP?
(g) Distinguish between Unicast and Multicast.
(h) What are the goals of IPSec?

UNIT-I

2. (a) How Internet is administered? Explain.
(b) Differentiate between Internet and Intranet.
3. Discuss structure and addressing of IPv4 and IPv6. Also provide advantages and limitations of each.

UNIT-II

4. What is TCP? Describe its major services and format in detail. Also discuss TCP connection Operations.
5. (a) Write short notes on the following:
(i) IGMP

(ii) DHCP

(b) What is DNS? How domain names are mapped to addresses? Explain recursive and iterative name resolution.

UNIT-III

6. (a) What is TFTP? How read and write operations are performed in TFTP?
(b) Explain POP and IMAP in detail.
7. (a) Explain the concept of RSVP along with its features. How does it work?
(b) What is NFS? Explain its various advantages.

UNIT-IV

8. (a) Explain BGP and SNMP along with their features.
(b) Explain the concept of Network Address Translation.
9. (a) Discuss various types of security threats and attacks.
(b) Describe any two security measures in networking.