

Roll No.

Total Pages : 03

BCA/M-24

1879

INTERNET TECHNOLOGIES

BCA-364

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) What is meant by TCP/IP Internet ?
- (b) Differentiate between Internet and Intranet.
- (c) Which applications are better suited for UDP ?
- (d) What is IGMP ?
- (e) What is meant by HTTP ?
- (f) State the purpose of RSVP.
- (g) Differentiate between static and dynamic interior routes.
- (h) State the purpose of SSL. 8×2=16

Unit I

2. (a) Discuss the various Internet Services in detail.
(b) Differentiate between TCP/IP and OSI models.
3. Write short notes on the following :
 - (i) Chat
 - (ii) Bulletin Board
 - (iii) USENET
 - (iv) NNTP.

Unit II

4. (a) Discuss the original IPv4 classful addressing scheme along with IPv4 Subnet addressing.
(b) What is ARP ? How is it solved ?
5. (a) Discuss the concept of ICMP message delivery.
(b) Why is the UDP checksum separate from the IP checksum ? Would you object to a protocol that used a single checksum for the complete IP datagram including the UDP message ?

Unit III

6. What are the various TCP/IP Standards for Electronic Mail Service ? Explain.
7. Discuss the working RTP and RTCP in detail.

Unit IV

8. (a) What is meant by Forwarding with Partial Information in routing ? 8
- (b) Discuss the various characteristics of BGP. 8
9. (a) Discuss the IP Multicast Scheme. 8
- (b) Discuss the working of SNMP in detail. 8