

Roll No.

Total Pages : 02

BCA/M-20

1902

INTERNET TECHNOLOGIES

BCA-364

Time : Three Hours]

[Maximum Marks : 80

Note : Q. No. 1 is compulsory. Attempt *Four* more questions by selecting *one* question from each Section. All questions carry equal marks.

1. Compulsory question :
- (a) Differentiate between Internet and Intranet 4
 - (b) Explain Domain Name Space with examples. 4
 - (c) Explain various protocols used for remote login. 4
 - (d) What do you mean by Firewall ? 4

Section I

2. What do you mean by Web Browser ? Explain its purpose and types in detail with examples. 16
3. Differentiate between TCP/IP and OSI Model in details. 16

Section II

4. What do you mean by IP address ? What are advantages of IPv6 over IPv4 ? Discuss various features of IPv6. **16**
5. What is DNS ? How Domain Name is mapped to addresses ? Explain recursive and iterative name resolution techniques. **16**

Section III

6. What is e-Mail ? Explain various protocols and services of e-Mail. **16**
7. What is Real Time Transport Protocol ? Explain its packet format. Also explain three functions of RTCP protocol. **16**

Section IV

8. Explain the concept of Network Address Translation and Virtual Private Network in detail. **16**
9. What do you mean by Internet Security ? Explain various Internet security measures in detail. **16**