

Roll No.

Total Pages : 02

OBCA/M-20
INTERNET TECHNOLOGY
BCA-363

1919

Time : Three Hours]

[Maximum Marks : 80

Note Attempt Five questions in all, selecting one question from each Unit. Q.1 No. compulsory.

- 1.** (a) What is Intranet and how does it differ from Internet ?
(b) Write format of UDP and IP.
(c) Abbreviate :
SMTP, NFS, DHCP, ARP
(d) What is Mobile-IP ? **4×4=16**

Unit I

- 2.** (a) Discuss administration aspects of Internet.
(b) Explain TCP/IP Model. **16**
- 3.** Why there was a need to develop Next Generation Internet Protocol ? How does it differ from IPVU ? **16**

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Unit II

4. (a) What is TCP ? How connections are managed using TCP ?
(b) Explain IP-address resolution and DNS Mapping. **16**
5. (a) Explain ARP and DHCP Protocols.
(b) Discuss Remote Procedure Call and SCTP.

Unit III

6. How POP is used in e-Mail ? Explain use of SMTP in same e-Mail setup. **16**
7. (a) Discuss FTP and TFTP.
(b) Explain TP Telephony and signalling. **16**

Unit IV

8. Explain concept of Routing in Internet. **16**
9. Write notes on the following : **16**
(a) e-Mail Security
(b) VPN and NAT.

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