

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
B. B. A. (Honours) Information Technology Management Program
Semester – IV
UM04EBBI10 Internet Technologies
(w.e.f. November 2016)

Total Credits: 3
Total Marks: 100

THEORY: 3 Hrs. per week

Unit - 1 Fundamentals 25%
Internet History, Timeline, Standards, Standards Organizations, Protocol Documents, Protocol Suite & Their Functions, Different Protocol under TCP/IP

Unit - 2 IP Addressing 25%
IP Addressing Scheme, Subnetting, IP Overview, IP Header

Unit - 3 Beyond IP Layer 25%
ICMP And Ping, UDP Header, TCP Header, Three Way Handshake, Port Numbers, TCP Services, TCP/IP Command Line Utilities

Unit - 4 TCP/IP Enabled Services 25%
FTP Service, TELNET Service, ARP Service, DHCP Service, DNS Service, WINS Service

Evaluation: Internal: 40 Marks
External: 60 Marks (Two – Hours Examination)

References Books:

1. **B. A. Forouzan**, "Data Communications and Networking", 2nd Ed., TMH
2. **Behrouz A Forouzan**, "TCP/IP Protocol Suite"
3. **Matt Naugle**, "Illustrated TCPIP: A Graphic Guide"