SARDAR PATEL UNIVERSITY
Programme & Subject: Master of E-Business (M.Eb)
Semester: II
Syllabus with Effect from: June-2010

Paper Code: PM02EMEB05	Total Credit: 4
Title Of Paper: Internet Technology	

Unit	Description in Detail	Weightage (%)
I	**Fundamentals:** Internet History & Timeline – The Internet Protocol: TCP/IP – TCP/IP Protocol Documents –RFCs - TCP/IP Model – Different Protocols under TCP/IP Protocol Suite and their Functions – IP Overview	25%
II	**IP Addressing:** IP Addressing Scheme – Class A, Class B, and Class C Addressing Scheme – Subnetting – Custom Subnetting – Supernetting & VLSM – IPV4 Header – Basics of IPV6	25%
III	**Beyond IP Layer:** ICMP and PING – TCP Header – Three Way Handshake - Port Numbers – TCP Services – All TCP/IP Command Line Utilities	25%
IV	**TCP/IP enabled Services:** FTP Service – Telnet Service – ARP Service – DHCP Service – DNS Service – WINS Service	25%

Basic Text & Reference Books:-

➢ Data Communications and Networking by Behrouz A Forouzan
➢ TCP/IP Protocol Suite by Behrouz A Forouzan
➢ Illustrated TCPIP: A Graphic Guide by Matt Naugle