

**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar**  
**B. B. A. Information Technology Management Program**  
**Semester – IV**  
**UM04DBBI26 Internet Technologies**  
**(w.e.f. November 2019)**

**Total Credits: 3**  
**Total Marks: 100**

**THEORY: 3 Hrs. per week**

<b>Unit - 1</b>	<b>Fundamentals</b>	<b>25%</b>
Internet History, Timeline, Standards, Standards Organizations, Protocol Documents, Protocol Suite & Their Functions, Different Protocol under TCP/IP		
<b>Unit - 2</b>	<b>IP Addressing</b>	<b>25%</b>
IP Addressing Scheme, Subnetting, IP Overview, IP Header		
<b>Unit - 3</b>	<b>Beyond IP Layer</b>	<b>25%</b>
ICMP And Ping, UDP Header, TCP Header, Three Way Handshake, Port Numbers, TCP Services, TCP/IP Command Line Utilities		
<b>Unit - 4</b>	<b>TCP/IP Enabled Services</b>	<b>25%</b>
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", 2<sup>nd</sup> Ed., TMH
2. **Behrouz A Forouzan**, "TCP/IP Protocol Suite"
3. **Matt Naugle**, "Illustrated TCPIP: A Graphic Guide"