

**SEMCOM**  
**TYBBA-ITM SEM-5**  
**Questions (2016-17)**

Subject: Internet Technology (UM05CBBI02)  
Faculty: Ami D. Trivedi

Unit-1	1.	Define: Internet. Discuss Internet History in detail with Internet Timeline.
	2.	List and discuss functions of different protocols under TCP/IP protocol suite.
	3.	Write note on: Standards Organizations.
	4.	Define Standards. Also discuss categories of data communication standards.
	5.	Give brief overview of IP Protocol.
Unit-2	1.	Write a detail note on Classful IP Addressing scheme.
	2.	Explain IPv4 Header in detail.
	3.	Write note on: Subnetting
	4.	What is Mask? Discuss method to find address using mask.
	5.	State the reason for following IPv4 addresses being invalid. 1. 23.350.12.120 2. 198.156.12.5.7 3. 202.18.045.120
Unit-3	1.	Write a detailed note on ICMP.
	2.	Discuss UDP Header in detail.
	3.	Describe TCP Header (TCP Segment Header) in detail.
	4.	Write a note on: Three Way Handshake
	5.	Discuss the following Command Line Utilities: 1. Ipconfig 2. Ping 3. Tracert
Unit-4	1.	Write note on: FTP
	2.	Write a note on TELNET.
	3.	Explain ARP in detail.
	4.	Explain DHCP in detail.
	5.	Explain Domain Name System (DNS) in detail.