



Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai – 400 058.
Department of Master of Computer Applications

Experiment	0
Aim	To Demonstrate basics of Networking and Network configuration
Objective	1) Learn IP address communication 2) Learn TCP/IP communication 3) Understand the concept of networking.
Name	
UCID	
Class	
Batch	
Date of Submission	

Task	Answer the questions given Below. Wherever there is command, run it and see the output and analyze the output. Take screenshot and paste in document for the same.
Question and Answers with screenshots	<p>a) What is IP address ? who defines IP Address? What is its range (private and public)</p> <p>b) What is DNS and DNS records?</p> <p>c) Explain is TCP Header, IP Header, and ICMP Header.</p> <p>d) What is the use of port number? Give its range.</p> <p>e) Which service runs on the following port? What is the use of following port number?</p> <ul style="list-style-type: none">• 21• 22• 23• 25• 80• 5900• 1524• 445• 443 <p>f) How to check IP address of a machine? What does Protocol is used for the same?</p> <p>g) Use of following command:</p> <ul style="list-style-type: none">• netstat• iwconfig• ifconfig and ipconfig• whois• nslookup• route• dig• traceroute• ping <p>h) What is the difference between IPv4 and IPv6 address?</p> <p>i) What is a router and routing table?</p> <p>j) What is Network Interface Card?</p> <p>k) What is firewall and its types?</p> <p>l) What is DMZ?</p>
Conclusion	Your Learning from the session.