Network Lab Answer Sheet.

Please complete this answer sheet and turn it in at the beginning of class on the due date posted in LEARN.

Part I

|  |  |
| --- | --- |
| Question | Answer |
| 1  (3 pts) | Burned-In address |
| 2  (5 pts) | a)Cisco Systems, Inc.,  b) [ProCurve Networking by HP, Hewlett-Packard](http://www.google.com/search?q=ProCurve%20Networking%20by%20HP,%20Hewlett-Packard),  c)Apple, Inc,  d)IBM Corp,  e)Samsung Electronic Co., LTD |
| 3  (3 pts) | Mac Address B4-6B-FC-9E-C2-44  Connected via wireless |
| 4  (2 pts) | IPv4 Address 10.250.17.20 |
| 5  (2 pts) | DNS Server 144.118.27.33 |
| 6  (2 pts) | 10.250.127.254 |
| 7  (6 pts) | Information about packets sent, received, # of bytes received, response time, TTL entry, lost percentage, and the minimum, maximum, and average round trip time in milliseconds This shows the connection speed, meaning higher average time is a slower connection. |
| 8  (3 pts) | 1000 milliseconds |
| 9  (2 pts) | 3 hops |
| 10  (2 pts) | 11 hops |
| 11  (2 pts) | 18 hops  1 1 ms 1 ms 1 ms 10.250.127.251  2 2 ms 2 ms 2 ms 144.118.1.41  3 2 ms 2 ms 1 ms gw6-vlan-144-118-0-196.noc.drexel.edu [144.118.0.196]  4 2 ms 2 ms 2 ms gw1-te-0-2-0-204-238-76-81.noc.drexel.edu [204.238.76.81]  5 2 ms 2 ms 2 ms 204.238.76.34  6 8 ms 7 ms 12 ms et-1-1-0.4079.rtsw.wash.net.internet2.edu [162.252.70.119]  7 16 ms 9 ms 6 ms ae-1.4079.rtsw.ashb.net.internet2.edu [162.252.70.137]  8 7 ms 6 ms 8 ms ae-2.4079.rtsw2.ashb.net.internet2.edu [162.252.70.75]  9 19 ms 29 ms 10 ms 198.71.45.181  10 162 ms 161 ms 160 ms be-65-0.ibr01.was05.ntwk.msn.net [104.44.10.38]  11 172 ms 170 ms 173 ms be-4-0.ibr03.atb.ntwk.msn.net [104.44.4.23]  12 170 ms 169 ms 170 ms be-3-0.ibr01.atb.ntwk.msn.net [104.44.4.42]  13 170 ms 170 ms 171 ms be-6-0.ibr02.sn4.ntwk.msn.net [104.44.4.47]  14 164 ms 161 ms 161 ms be-1-0.ibr01.sn4.ntwk.msn.net [104.44.4.205]  15 161 ms 161 ms 162 ms be-3-0.ibr02.lax03.ntwk.msn.net [104.44.4.4]  16 62 ms 63 ms 63 ms ae74-0.lax-96cbe-1b.ntwk.msn.net [104.44.224.158]  17 160 ms 160 ms 160 ms ae26-0.tya-96cbe-1a.ntwk.msn.net [198.206.164.135]  18 160 ms 175 ms 159 ms ae23-0.icr01.tyo31.ntwk.msn.net [104.44.236.185] |
| 12  (3 pts) | Internet country code top-level domain for Japan |
| 13  (4 pts) | My server name and DNS server’s IP address,  [www.ieee.org’s](http://www.ieee.org's) name, DNS server’s IP address and aliases |
| 14  (2 pts) | 104.110.156.135 is the IP address that resolves to this website. |
| 15  (2 pts) | 144.118.72.83 is the IP address that resolves to this website. |

Part II

|  |  |
| --- | --- |
| Question | Answer |
| 1  (5 pts) | HTTP, TCP, TLSv1.2, IGMPv2,OCSP, DNS |
| 2  (4 pts) | Hypertext Transfer Protocol |
| 3  (3 pts) | 0.012169 milliseconds |
| 4  (3 pts) | Milliseconds |
| 5  (4 pts) | IP address: 128.119.245.12 |

6 (8 pts) Place Wireshark screen shot below

