

ANSWERS

1. IP address: 144.122.145.146
MAC address: 64:6d:6c:44:18:7f
2. Number: 196
Time: 11.523785
Destination: 144.122.145.146
3. Number: 196 Time: 11.523785
Number: 217 Time: 11.946149
Number: 224 Time: 11.950825
Number: 225 Time: 11.951338
Number: 228 Time: 11.954649
4. Number: 207 Time: 11.857921 (matches with no:196)
Number: 237 Time: 11.965467 (matches with no:217)
Number: 246 Time: 11.969377 (matches with no:224)
Number: 249 Time: 11.969928 (matches with no:225)
Number: 256 Time: 11.970981 (matches with no:228)
5. Wireshark checks TCP connections checks source port and destination port numbers and also checks sequence numbers and acknowledgment numbers of each HTTP frames.
6. Browser uses persistent HTTP connection because multiple objects can be sent over single TCP connection. Also it can be checked by debugging HTTP in Wireshark by checking http.connection .