Aim: Experiment on packet capture tool.

Student observation:

1). ~~prow~~ What is promiscuous mode?

Ans: promiscuous mode is a network interface
and (NIC) settings that allows card to
intercept and read.

2). Does ARP packets have transport layer
header? Explain

Ans: No, ARP packets do not have transport
layer header. Since ARP operates
below the transport layer, it does not
interact with or include a transport layer
header

3). Which transport layer protocol is used by
DNS?

Ans: DNS primarly uses UDP

4). What is the port number used by
http protocol?

Ans: HTTP protocol uses port number by
default.

5). What is a broadcast ip address?

Ans: It is broadcast Ip address which is used to send packets data to all devices on a specific network segment simultaneously.

Result: Thus, the experiment on packet capture tool : wireshark is experiment successfully.