

Name:

Roll No.:

1. For its dns look, by default, dig will try each of the servers listed in the file (1)
Ans /etc/resolv.conf

2. Which is the port used for ping? (1.5)

Ans There is no port for ping

3. What does if in ifconfig stand for? Ans: Interface (1)

4. In RJ-45 there are 4 pairs of wires and Ethernet uses only 2 pairs. The colored pairs used by Ethernet are Orange and Green. The other two may be used for a second Ethernet line or for Phone/POE connections. (1.5)

5. In ifconfig output, there is a term MTU. What does it stand for? Ans: Maximum Transmission Unit (0.5)

What was its value in your case? Ans: No marks for this

6. The -l ('l' as in leg) option is used to specify that netcat should [listening mode / act as server] (0.5)

7. I get 100% packet loss while I try to ping nitc.ac.in but I am able to connect to it through my browser. Why is this happening?

Ans ICMP is blocked and TCP is permitted (1)

8. What is(are) the command(s) mentioned in the tutorial for banner grabbing using netcat?

Ans Get /HTTP/1.1 (1)

9. The output of ifconfig contains values for lo.lo stands for Local / loopback interface (0.5)

10. The command [with root privilege] ifconfig <interface name> promisc sets the interface mentioned to promiscuous mode. What will happen when this mode is active? What is its use?

Answer [result of promiscuous mode]: accepts all packets that flow through the network. (1)

Answer [use of promiscuous mode]:

To capture and analyse the packets that flow through the network. (0.5)