CNT ORAL QUESTIONS – TEIT

1. What is ip route command ,network command ?

2. state any route commands done in Prac1

   What is NAT and difference between static and dynamic NAT ?

3. What is ping command. what is output of ping command ? Is it related to ICMP message protocol

4. What is ACL (Access control list) . What happens in STANDARD & EXTENDED control list .

5. What is use of masking . Explain the difference between default mask ,subnet mask , wild mask ?

6. What is subnetting and supernetting ? For example if an ip address 10.1.14.1 is given to you then how to subnet this address in to small network address. (if we have 3 dept in an organization's HR,SALES,IT .. then what will be the starting address of each ...)

7. What is the function of Transport layer and IP layer ?

8. All students must know the unit names (All 6 unit) of CNT syllabus?

9. How many layers you have studied in this semester ?

Ans : 3 layers . (IP LAYER, TRANSPORT LAYER, APPLICATION LAYER)

10 . What are the protocols in each layer ?

Ans : Ip layer : 4 Protocols : ARP , RARP ,ICMP , IGMP

      TRANSPORT Layer : TCP & UDP

      Application layer : FTP ,TFTP, SMTP, HTTP ,SNMP.MIME,IMAP,POP3

11. What is ARP ,RARP ? What are the operations of both protocols ?

12. What is disadvantage of RARP protocol ?

13 What is ICMP protocol? What are different type of message and error reporting ?

14. What is DHCP ? What do you mean by Dynamic ?

15. What is the difference between IMAP and POP3 ?

16. What is DNS. What is your college domain .How many domains are there?

17.What is difference between DVR, LSR and PVR ?

18 . What is full form of EIGRP ?

19. What are the protocols under DVR, LSR, PVR ?

ANS : **Under DVR Routing protocol : RIPV1, RIP V2, IGRP ,EIGRP are there**

　　　Under LSR : OSPF routing protocol

　　　Under PVR : BGP routing protocol

20 . What is difference between RIP v1 and RIP v2 ?

　　 And give commands for ripv1 used in practical

21. What are the different routing algorithms used to find the shortest path ?

22. Explain OSPF ? What is Backbone router ?

23. What is the difference between IOT and IOE ?

24. What is piconett and scaternett in Bluetooth ?

25. Disadvantage of Bluetooth ?

26. What is BSS and ESS services ?

27. what is difference between DVR and AODV routing protocol in WSN

28 . What is difference between Wifi and Wimax?

1. what are the commands for OSPF routing protocol in packet tracer ?

Ans :

- En
- Conf t
- Interface se 0/0
- ip add 10.0.0.2 255.0.0.0
- **router ospf 1**
- **network   10.0.0.0   0.255.255.255   area 0**
- exit

Q) What is 1 in ospf command also area 0 ?

Q what are the commands for EIGRP routing protocol in packet tracer ?

Q what are the commands for RIPv2 ?

Q what is the operating system used in raspberry pi?

Q What are the commands used to install NS2 in linux ?

Q what is packet tracer. ?

Q what is autonomous system?