1 Mark Questions: unit 1

1. OSI stands for ------------------- ,open systems interconnections

2. ISO stands for-------------------------. International Organization for Standardization

3. RIP stands for------------------------.routing information protocol

4. IGRP stands for---------------------.interior gateway routing protocol

5. EIGRP stands for--------------------.enhanced interior gateway routing protocol

6. OSPF stands for---------------------.open shortest path first

7. MAC stands for------------------------.media access control

8. CSMA/CD stands for------------------.carrier sense multiple access/collision detection

9. DTE stands for-------------------.data terminal equipment

10. DCE stands for---------------------.data communications equipment

11. FCS stands for---------------------.frame check sequence

12. AUI stands for--------------------.attachment unit interface

13. DCE stands forr ---------- data communications equipment

14. ----- Cable used to attach a Console Port on Router/Switch --------- Rj45

15. Name the sublayers of Data Link Layer -------- MAC,LLC

16. PDU stands for ----- protocol data unit

17. SDU stands for ----- service data unit

18. Name the PDU at Data Link Layer ------- frame

19. Name the PDU at Transport Layer --------- segment for TCP,datagram for UDP

20. ----- Cable used to attach two workstations directly ------- crossover

1 Mark Questions MODULE 3

1. IOS Stands for \_\_\_\_\_\_\_\_\_\_?--------internetwork operating system

2. Where does IOS stored in Cisco router? ------------Flash Memory

3. What are the different configuration setup mode?---------- Basic Management ,Extended Setup

4. \_\_\_\_\_\_\_\_ command will take you to the privillage mode in IOS? -------- Enable

5. \_\_\_\_\_\_\_\_ command will take you back to usermode from privillage made? -----disable

6. Which command can give basic information about networking protocol?-------- show ip protocols

7. What is post operation?

it will look for and load the Cisco IOS from Flash memory if a file is present

8. Which command will give you the basic information about networking product?

Show version

9. Which command will be used for encrypting the password manually?

service password-encryption

10. MOTD banner stands for \_\_\_\_\_\_\_\_\_? ------------ Message of the day

11. How do you specify a fast ethernet interface in high end routers?

Slot/port numbering ex: interface FastEthernet0/0

12. What is a default state of interface?

Administratively down

13. How do you make interface up?

No shutdown

14. What is VIP card?

VIP cards were a series of interface processors used in cisco 7500 series that provided various functionalities, including additional interfaces for networking connectivity, processing power and other features

15. How to specify an interface for router having the VIP card?

you define an interface by using the interface type slot/ port adapter/port number. For example 7000(config)#interface ethernet 2/0/0

MODULE 2

One Marks Questions

1.VLAN stands for Virtual Local Area Network

2.Which is Flat Network?

Ans : Routers, by default send broadcasts only within the originating network but switches forward broadcasts to all segments. This is called a flat network because it is one broadcast domain

3.Define VMPS?

Ans: Vmps-Cisco administrators can use the VLAN Management Policy Server (VMPS) service to set

up a database of MAC addresses that can be used for dynamic addressing of VLANs. VMPS

is a MAC address–to–VLAN map- ping database.

4.VMPS stands for VLAN Management Policy Server

5.What is Frame Color?

Ans: It uniquely assigns a user-defined id to each frame. This is refered to as vlan id or colour.

6.ISL stands for Inter Switch Link

7.Name the VLAN tagging protocol of CISCO?

Ans: IEEE 802.1Q

8. Trunk link carries traffic along in to multiple VLAN

9.What is the size of ISL tag for the frame?

Ans: 26 bytes

10.If network has multiple vendor switches then which frame tagging protocol needs to be used?

Ans: IEEE 802.1Q

11.FDDI stands for fiber distributed data interface

12. All VLAN traffics are configured on a trunk link by default(true/false) false

13.Dynamic trunk protocol is used Trunk negation

14.RSN stands for robust security network

15.Define static and dynamic membership?

Ans: Static VLAN Membership: In this approach, VLAN membership is manually configured and assigned to switch ports. Administrators explicitly assign a port to a particular VLAN, typically done through the switch's configuration interface.

Dynamic VLAN membership involves assigning VLANs based on certain criteria such as user information or device attributes. It allows for automatic assignment of VLANs to devices.

16.VTP stands for Vlan truncking protocol

17.Define router on a stick?

Ans: 1005 VLANs and run on the backplane of the switch. If you use one Fast- Ethernet interface

and run ISL routing, Cisco calls this a router-on-a-stick.

18.What is configuration revision number?

Ans: The Configuration Revision Number is a specific attribute used in Cisco's VLAN Trunking Protocol (VTP). It's a version number associated with the VTP database that helps switches determine which information is more recent when they exchange VTP information.

19.DTP is Dynamic truncking protocol

20.What is a Switch Fabric?

Ans:

A switch fabric is a group of switches sharing the same VLAN Information

1 Marks Questions Unit 3 switch management

1) IOS stands for \_\_\_\_ internetwork operating system

2) Using \_\_\_ port Switch can be connected to a terminal for configuring ------- console

3) Name the three modes of a Switch to read its status.

User mode:

Privilege mode

Global configuration mode

4) To connect through an Uplink port \_\_\_ cable needs to be used

straight-through cable

5) CLI is a \_\_\_\_\_\_\_\_ Command line interface

6) User Mode Password is known as \_\_\_\_\_\_ user exec password

7) Give the command to verify the Switch Running Configuration---- show running-config

8) Give the command to verify the ip on CISCO Switch ---- show ip interface brief

9) Give the command to see the specifications of a given Switch interface.

Show interface <interface\_name>

10) What is the default duplex setting for 10BaseT interface? ------- half-duplex

11) What is the default duplex setting for 100BaseT interface? ----- auto-negotiation

12) Switch Configurations are stored in \_\_\_\_\_\_ NVRAM

13) Give the command to reset a switch configuration ----- delete nvram

14) How will you get the mac address table in Switch?--------- show mac address-table

15) What is the term “Sticky Learns” in switches?

Sticky-learns is a term Cisco uses for a port dynamically finding a source hardware address and creating a permanent entry in the MAC filter table

16) What are the operation modes for a switch?

User exec mode, privilege exec mode, global configuration mode (interface/line config mode)

17) Give the command to know different vlans and its memberships on a Switch

Show vlan brief

18) How to remove a given vlan from tunked port?

no trunk-vlan

19) Trunked link carry all vlans by default. True/False?---- true

20) VTP stands for \_\_\_\_ vlan trunking protocol

21) CDP stands for \_\_\_\_ cisco discovery protocol