1- A Cisco Catalyst switch connects to what should be individual user PCs. Each port
has the same port security configuration, configured as follows:
interface range gigabit Ethernet 0/1 - 24
switchport mode access
switchport port-security
switchport port-security mac-address sticky
Which of the following answers describe the result of the port security configuration
created with these commands? (Choose two)
A. Prevents unknown devices with unknown MAC addresses from sending data
through the switch ports.
B. If a user connects a switch to the cable, prevents multiple devices from sending

data through the port.
C. Will allow any one device to connect to each port, and will save that device's MAC
address into the startup-config
D. Will allow any one device to connect to each port, but will not save that device's
MAC address into the startup-config

ANS-A. Prevents unknown devices with unknown MAC addresses from sending data
through the switch ports.
    D.
     Will allow any one device to connect to each port,
 But will not save that device's MAC address into the startup-config.

2- What is the Administrative Distance of internal EIGRP routes?
A. 170
B. 90
C. 20
D. 1
E. 110
F. 120
ANS-B. 90.

3- When a subnet mask is presented in binary, what do the binary 1s represent?
A. The network portion of an associated address
B. The host portion of the subnet mask
C. The number of wildcard bits in the subnet mask
D. The number of wildcard bits in the address
E. The network portion of the subnet mask
F. The host portion of an associated address

ANS-A. The network portion of an associated address

4- Which switch would STP choose to become the root bridge in the selection process?
A. 32768: 11-22-33-44-55-66
B. 32768: 22-33-44-55-66-77
C. 32769: 11-22-33-44-55-65
D. 32769: 22-33-44-55-66-78

ANS-A. 32768: 11-22-33-44-55-66

5- Which of the following devices is used by the service provider to provide WAN services?
A. Router
B. Core router
C. WAN switch
D. CSU/DSU

ANS-D. CSU/DSU

D. CSU/DSU

6- Your Cisco IOS router is acting as a DHCP server. Which command will display the addresses that have been handed out to clients on the LAN?
A. show ip dhcp assignments
B. show ip dhcp address
C. show ip dhcp conflicts
D. show ip dhcp bindings
E. show ip dhcp pool

ANS-D. show ip dhcp bindings

7- Which of the following commands would you use to enable EIGRP only on those interfaces with an IP address from 10.1.1.0 through 10.1.1.63?
A. network 10.1.1.0 0.0.0.63
B. network 10.1.1.0/63
C. router eigrp 10.1.1.0 0.0.0.63
D. network 10.0.0.0 0.0.0.255

ANS-A. network 10.1.1.0 0.0.0.63

8- R3 has a static route configured that points toward the service provider. What command could you use to have R3 advertise an OSPFv3 default route to the internal network, regardless of whether R3 had its default static route?

A. The decision to advertise a default route depends on the static route always being
present on R3.
B. The default behavior is to redistribute any default IPv6 routes into OSPFv3, so no
action is required.
C. Each of the other routers needs a static default route that leads to R3.

D. Use the command
default-information originate always in interface mode for G1/0 on R3.
E. Have R3 use the command default-information originate always in OSPFv3 router
configuration mode.

ANS-E. Have R3 use the command default-information originate always in OSPFv3
router configuration mode.

9- You are configuring dynamic NAT on your Cisco IOS router. Which command is
used to verify the interfaces that are being used as the outside interface and the
inside interface?
A. show interfaces
B. show ip route
C. show ip nat translations
D. show ip interface brief
E. show ip interface
F. show ip nat statistics

ANS-F. show ip nat statistics

10- When using the "show EtherChannel summary "command, what does the "u "flag
signify?
A. Waiting to be aggregated
B. Suspended
C. In use
D. Unsuitable for bundling

ANS-C. In use

11- Which command could you enter to encrypt passwords?
A. enable secret
B. username {username} secret {password}
C. service password-encryption
D. All of the above
E. None of the above

ANS-D. All of the above

12- You are setting up a
Cisco IOS router as a DHCP server.
Which command is used to identify the IPv4 addresses that will be in the DHCP pool?

A. network
B. dns-server
C. default-router
D. ip dhcp excluded-address
E. lease
F. ip dhcp pool
G. domain-name

ANS- A. network

13- Which of the following statements are true regarding the processing of ACLs that
have been applied to router interfaces? (Choose two)
A. Inbound ACLs will be processed before the routing table lookup occurs
B. Inbound ACLs will be processed after the routing table lookup has occurred
C. Outbound ACLs will be processed after the routing table lookup has occurred
D. Outbound ACLs will be processed before the routing table lookup occurs

ANS-A. Inbound ACLs will be processed before the routing table lookup occurs
     C. Outbound ACLs will be processed after the routing table lookup has occurred

14- imagine you configured OSPFv2 in a small lab network. Which of the following
answers list a condition that could keep the routers in your lab from learning all the
routes to all the IPv4 routes in your small lab network? (Choose two)
A. An ACL could be blocking router advertisements.
B. Two neighbouring routers that connect to the same link have been configured
with the same OSPF area and with the same IPv4 subnet mask.
C. Any physical layer problem that would prevent two neighbouring routers from
being able to ping each others IPv4 addresses in the subnet that exists between the

two routers.
D. Two neighboring routers that connect to the same link have been configured with
the same OSPF process ID on the router ospf command.

ANS-A. An ACL could be blocking router advertisements.
     C. Any physical layer problem that would prevent two neighbouring routers from
being able to ping
 Each others IPv4 addresses in the subnet that exists between the two routers.

15- Which statements describe neighbor discovery functionality in IPv6? (Choose
two)

A. Determines the link layer address of a neighbor
B. Finds neighbor switches on the link
C. Is achieved by using
Dynamic Host Configuration Protocol for IPv6, or DHCPv6 with IPv6 multicast
D. Queries for duplicate addresses

ANS-A. Determines the link layer address of a neighbor
    D. Queries for duplicate addresses

16- Which IPv6 prefix will the typical enterprise network receive from the service
provider?
A. /52
B. /56
C. /64
D. /32
E. /48
F. /60

ANS-E. /48

17- How should be configured a switch so that it could be accessed remotely?
A. Assign a password and privilege level
B. Apply the access control list, or ACL, to the virtual type terminal, or vty,
lines
C. Configure a gateway for the switch
D. Generate a certificate

ANS-C. Configure a gateway for the switch

18- Refer to the exhibit. A network technician is asked to design a small network
with
redundancy. The exhibit represents this design, with all hosts configured in the
same
VLAN. What conclusions can be made about this design?
A. This design will function as intended.
B. Spanning-tree will need to be used.
C. The router will not accept the addressing scheme.
D. The connection
between switches should be a trunk.
E. The router interfaces must be encapsulated with the 802.1Q protocol.

ANS-B. Spanning-tree will need to be used.