D.   Flood the frame out of all ports except on the port where Sales-1 is connected.

Correct Answer: B
Explanation:
https://www.ciscopress.com/articles/article.asp?p=3089352&seqNum=6

QUESTION 259
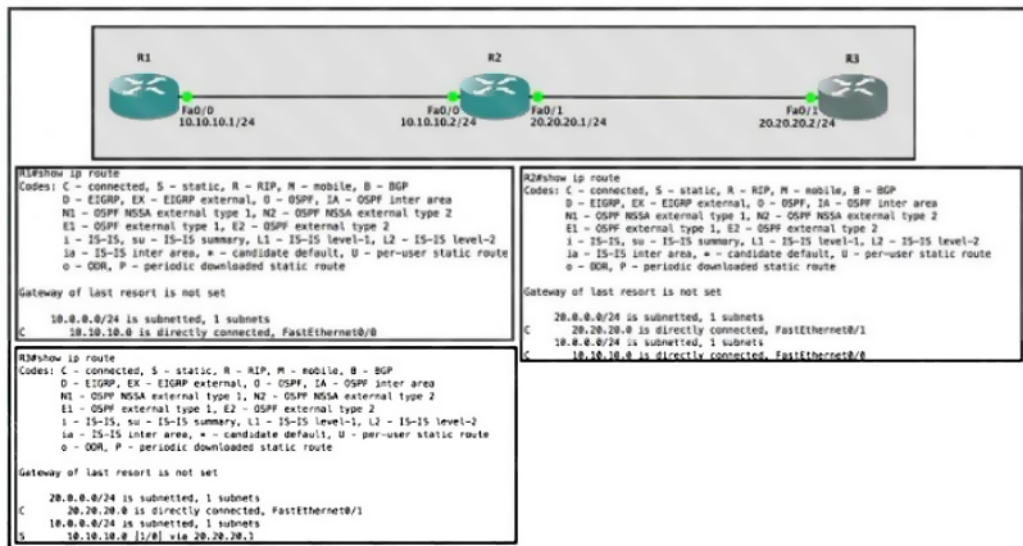When a WLAN with WPA2 PSK is configured in the Wireless LAN Controller GUI which format is supported?

A.   Unicode
B.   base64
C.   decimal
D.   ASCII

Correct Answer: D

QUESTION 260
Refer to the exhibit. Router R1 Fa0/0 is unable ping router R3 Fa0/1. Which action must be taken in router R1 to help resolve the configuration issue?

A.   set the default network as 20.20.20.0/24
B.   set the default gateway as 20.20.20.2
C.   configure a static route with Fa0/1 as the egress interface to reach the 20.20.20.0/24 network
D.   configure a static route with 10.10.10.2 as the next hop to reach the 20.20.20.0/24 network

Correct Answer: D

QUESTION 261
Refer to the exhibit. What is the effect of this configuration?

```
ip arp inspection vlan 2
interface fastethernet 0/1
    switchport mode access
    switchport access vlan 2
```

A. The switch port interface trust state becomes untrusted
B. The switch port remains administratively down until the interface is connected to another switch
C. Dynamic ARP inspection is disabled because the ARP ACL is missing
D. The switch port remains down until it is configured to trust or untrust incoming packets

Correct Answer: A
Explanation:
Dynamic ARP inspection (DAI) is a security feature that validates ARP packets in a network. It intercepts, logs, and discards ARP packets with invalid IP-to-MAC address bindings. This capability protects the network from certain man-in-the-middle attacks. After enabling DAI, all ports become untrusted ports.

QUESTION 262
A user configured OSPF in a single area between two routers. A serial interface connecting R1 and R2 is running encapsulation PPP By default. Which OSPF network type is seen on this interface when the user types show ip ospf interface on R1 or R2?

A. port-to-multipoint
B. broadcast
C. point-to-point
D. nonbroadcast

Correct Answer: C
Explanation:
The default OSPF network type for HDLC and PPP on Serial link is point-to-point (while the default OSPF network type for Ethernet link is Broadcast).

QUESTION 263
Which unified access point mode continues to serve wireless clients after losing connectivity to the Cisco Wireless LAN Controller?

A. sniffer
B. mesh
C. flexconnect
D. local

Correct Answer: C
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/config-guide/b_cg85/flexconnect.html
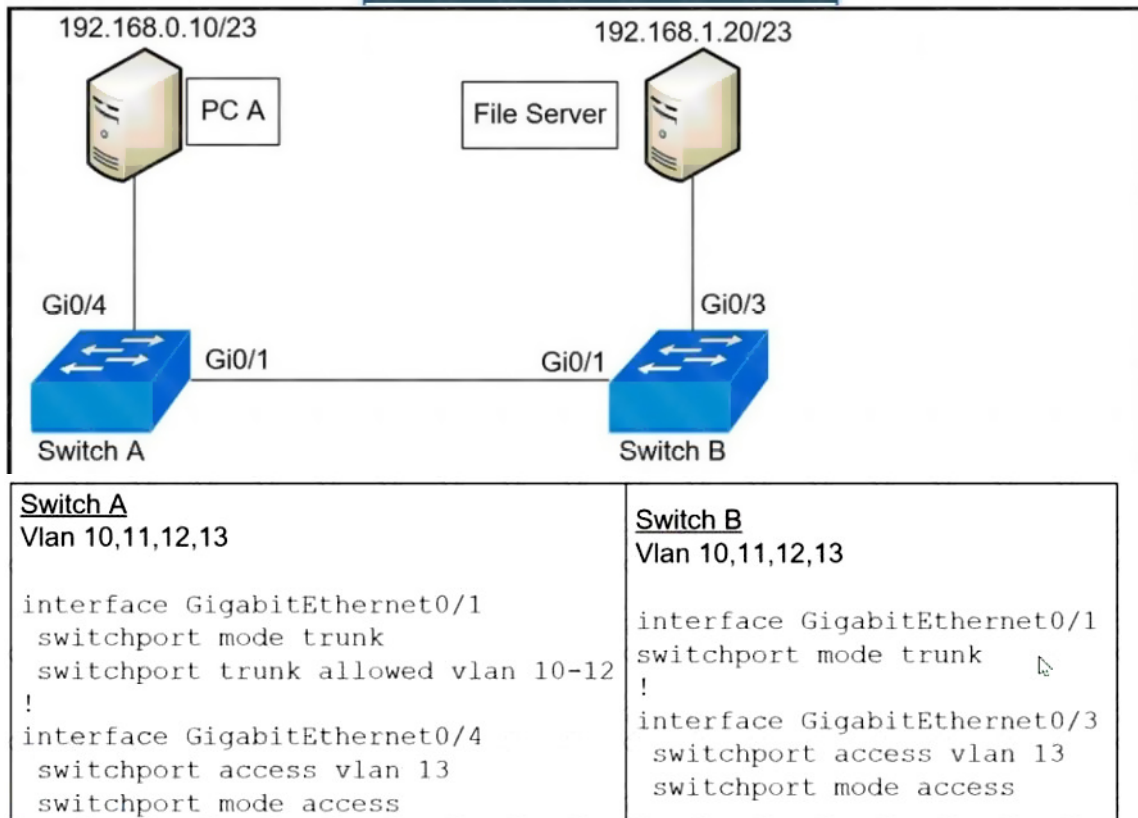
QUESTION 264
Which goal is achieved by the implementation of private IPv4 addressing on a network?

A. provides an added level of protection against Internet exposure
B. provides a reduction in size of the forwarding table on network routers
C. allows communication across the Internet to other private networks
D. allows servers and workstations to communicate across public network boundaries

Correct Answer: A

QUESTION 265
Refer to the exhibit. A network administrator assumes a task to complete the connectivity between PC A and the File Server. Switch A and Switch B have been partially configured with VLAN 10, 11, 12, and 13. What is the next step in the configuration?


```
192.168.0.10/23                              192.168.1.20/23

        PC A                  File Server


Gi0/4                                        Gi0/3

        Gi0/1              Gi0/1


Switch A                                      Switch B
```

```
Switch A                             Switch B
Vlan 10,11,12,13                     Vlan 10,11,12,13

interface GigabitEthernet0/1         interface GigabitEthernet0/1
  switchport mode trunk              switchport mode trunk
  switchport trunk allowed vlan 10-12  !
!
interface GigabitEthernet0/4         interface GigabitEthernet0/3
  switchport access vlan 13            switchport access vlan 13
  switchport mode access              switchport mode access
```

A. Add PC A to VLAN 10 and the File Server to VLAN 11 fa VLAN segmentation
B. Add VLAN 13 to the trunk links on Switch A and Switch B for VLAN propagation
C. Add a router on a stick between Switch A and Switch B allowing for Inter-VLAN routing.
D. Add PC A to the same subnet as the Fie Server allowing for intra-VLAN communication.

Correct Answer: B

QUESTION 266
Which two actions influence the EIGRP route selection process? (Choose two)

A. The router calculates the reported distance by multiplying the delay on the exiting Interface by 256.
B. The router calculates the best backup path to the destination route and assigns it as the feasible successor.
C. The router calculates the feasible distance of all paths to the destination route
D. The advertised distance is calculated by a downstream neighbor to inform the local router of the bandwidth on the link
E. The router must use the advertised distance as the metric for any given route

Correct Answer: BC
Explanation:
The reported distance (or advertised distance) is the cost from the neighbor to the destination. It is calculated from the router advertising the route to the network. For example in the topology below, suppose router A & B are exchanging their routing tables for the first time. Router B says "Hey, the best metric (cost) from me to IOWA is 50 and the metric from you to IOWA is 90" and advertises it to router A.

Router A considers the first metric (50) as the Advertised distance. The second metric (90), which is from NEVADA to IOWA (through IDAHO), is called the Feasible distance.
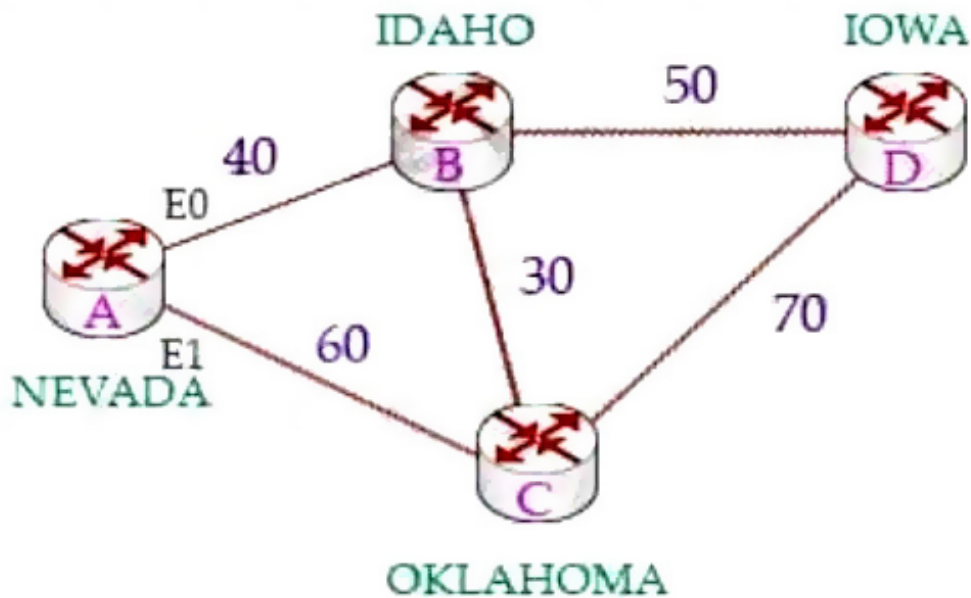
The reported distance is calculated in the same way of calculating the metric. By default (K1 = 1, K2 = 0, K3 = 1, K4 = 0, K5 = 0), the metric is calculated as follows:

$$metric = \left[\frac{10{,}000{,}000}{slowest\ bandwidth[in\ kbps]} + \frac{sum\ of\ delay[in\ \mu sec]}{10} \right] * 256$$

QUESTION 267
Which networking function occurs on the data plane?

A.   forwarding remote client/server traffic
B.   facilitates spanning-tree elections
C.   processing inbound SSH management traffic
D.   sending and receiving OSPF Hello packets

Correct Answer: A

QUESTION 268
Refer to the exhibit. Which route type does the routing protocol Code D represent in the output?

```
        10.0.0.0/24 is subsetted, 1 subnets
C          10.0.0.0 is directly connected, FastEthernet0/1
C       172.160.0/16 is directly connected, FastEthernet0/0
D       192.168.0.0/24 [90/30720] via 172.16.0.2, 00:00:03, FastEthernet0/0
```

A. internal BGP route
B. /24 route of a locally configured IP
C. statically assigned route
D. route learned through EIGRP

Correct Answer: D

QUESTION 269
Refer to the exhibit. With which metric was the route to host 172.16.0.202 learned?

```
R1# show ip route | begin gateway
Gateway of last resort is 209.165.200.246 to network 0.0.0.0
S* 0.0.0.0/0 [1/0] via 209.165.200.246, Serial0/1/0
      is directly connected, Serial0/1/0
      172.16.0.0/16 is variably subnetted, 3 subnets, 3 masks
S     172.16.0.0/24 [1/0] via 207.165.200.250, Serial0/0/0
O     172.16.0.128/25 [110/38443] via 207.165.200.254, 00:00:23, Serial0/0/1
D     172.16.0.192/29 [90/3184439] via 207.165.200.254, 00:00:25, Serial0/0/1
      209.165.200.0/24 is variably subnetted, 4 subnets, 2 masks
C     209.165.200.248/30 is directly connected, Serial0/0/0
L     209.165.200.249/32 is directly connected, Serial0/0/0
C     209.165.200.252/30 is directly connected, Serial0/0/1
L     209.165.200.253/32 is directly connected, Serial0/0/1
```

A. 0
B. 110
C. 38443
D. 3184439

Correct Answer: C
Explanation:
Both the line "O 172.16.0.128/25" and "S 172.16.0.0/24" cover the host 172.16.0.202 but with the "longest (prefix) match" rule the router will choose the first route.

QUESTION 270
Refer to the exhibit. Shortly after SiteA was connected to SiteB over a new single-mode fiber path users at SiteA report intermittent connectivity issues with applications hosted at SiteB What is the cause of the intermittent connectivity issue?