300-410 Dumps

Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)

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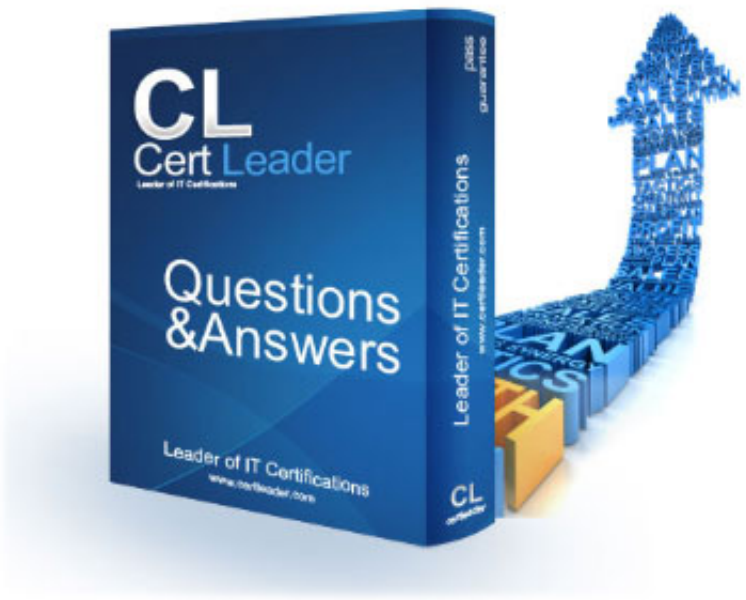
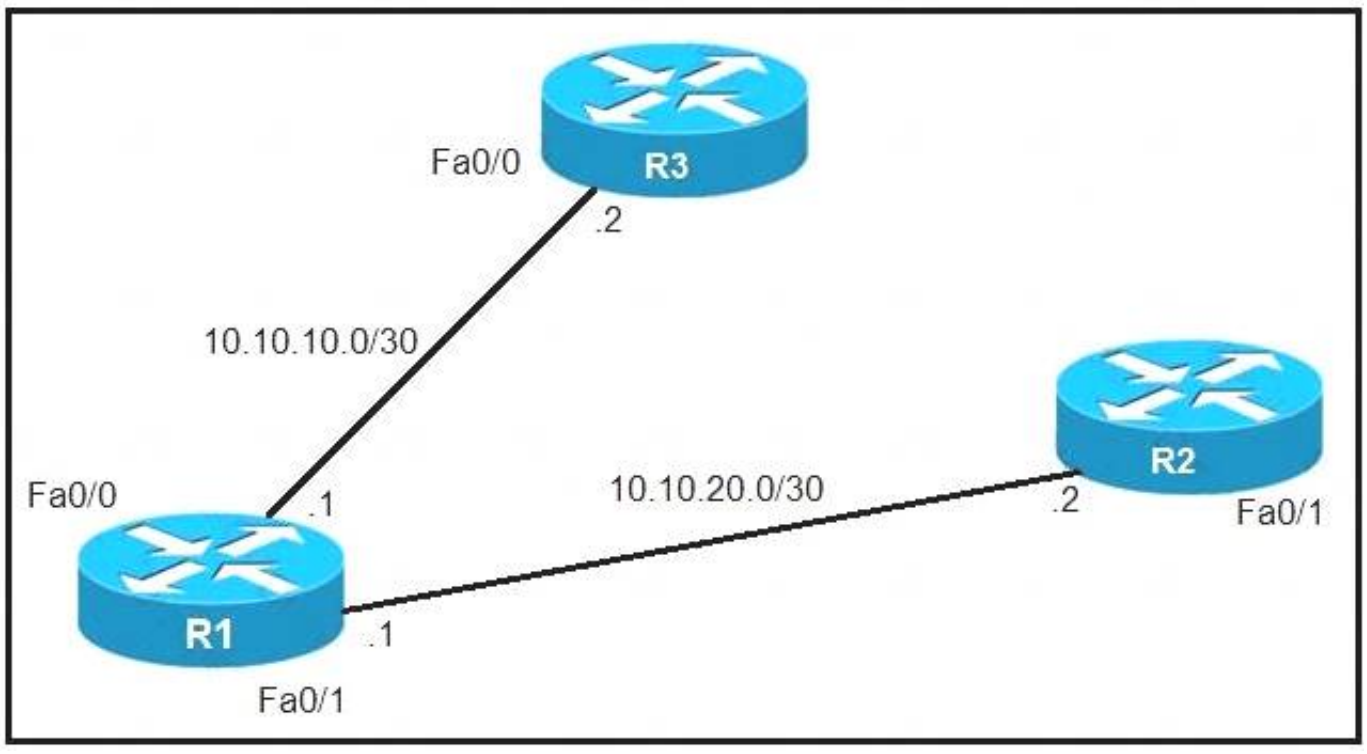


NEW QUESTION 1
While working with software images, an engineer observes that Cisco DNA Center cannot upload its software image directly from the device. Why is the image not uploading?

A. The device must be resynced to Cisco DNA Center.
B. The software image for the device is in install mode.
C. The device has lost connectivity to Cisco DNA Center.
D. The software image for the device is in bundle mode

Answer: B

NEW QUESTION 2
Refer to the exhibit.



An IP SLA was configured on router R1 that allows the default route to be modified in the event that Fa0/0 loses reachability with the router R3 Fa0/0 interface. The route has changed to flow through
router R2. Which debug command is used to troubleshoot this issue?

A. debug ip flow
B. debug ip sla error
C. debug ip routing
D. debug ip packet

Answer: C

NEW QUESTION 3
Which transport layer protocol is used to form LDP sessions?

A. UDP
B. SCTP
C. TCP
D. RDP

Answer: C

NEW QUESTION 4
An engineer is trying to copy an IOS file from one router to another router by using TFTP. Which two actions are needed to allow the file to copy? (Choose two.)

A. Copy the file to the destination router with the copy tftp: flash: command
B. Enable the TFTP server on the source router with the tftp-server flash: <filename> command
C. TFTP is not supported in recent IOS versions, so an alternative method must be used
D. Configure a user on the source router with the username tftp password tftp command
E. Configure the TFTP authentication on the source router with the tftp-server authentication local command

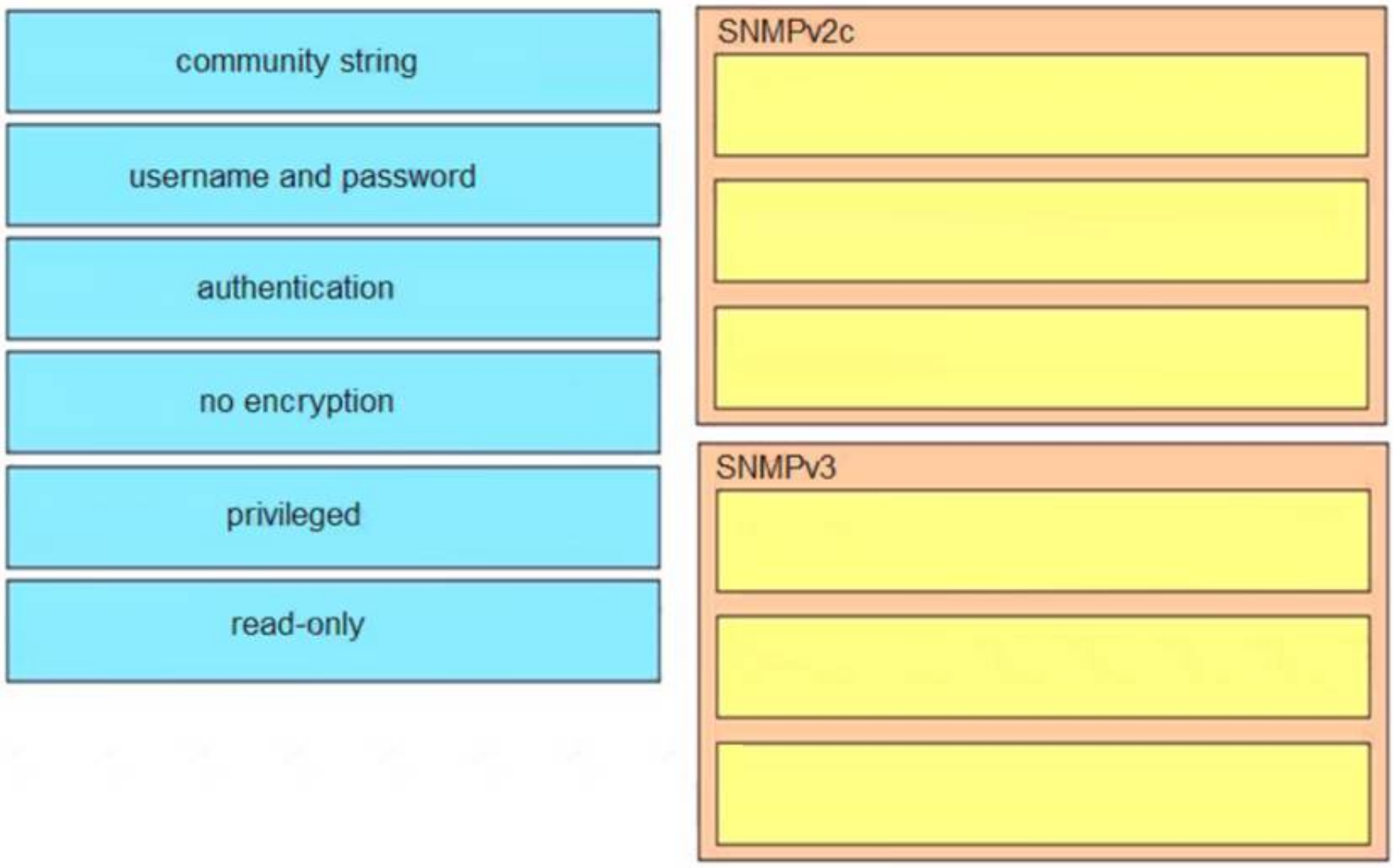
Answer: AB

NEW QUESTION 5
A network engineer is investigating a flapping (up/down) interface issue on a core switch that is synchronized to an NTP server. Log output currently does not show the time of the flap. Which command allows the logging on the switch to show the time of the flap according to the clock on the device?

A. service timestamps log uptime
B. clock summer-time mst recurring 2 Sunday mar 2:00 1 Sunday nov 2:00
C. service timestamps log datetime localtime show-timezone
D. clock calendar-valid

Answer: A

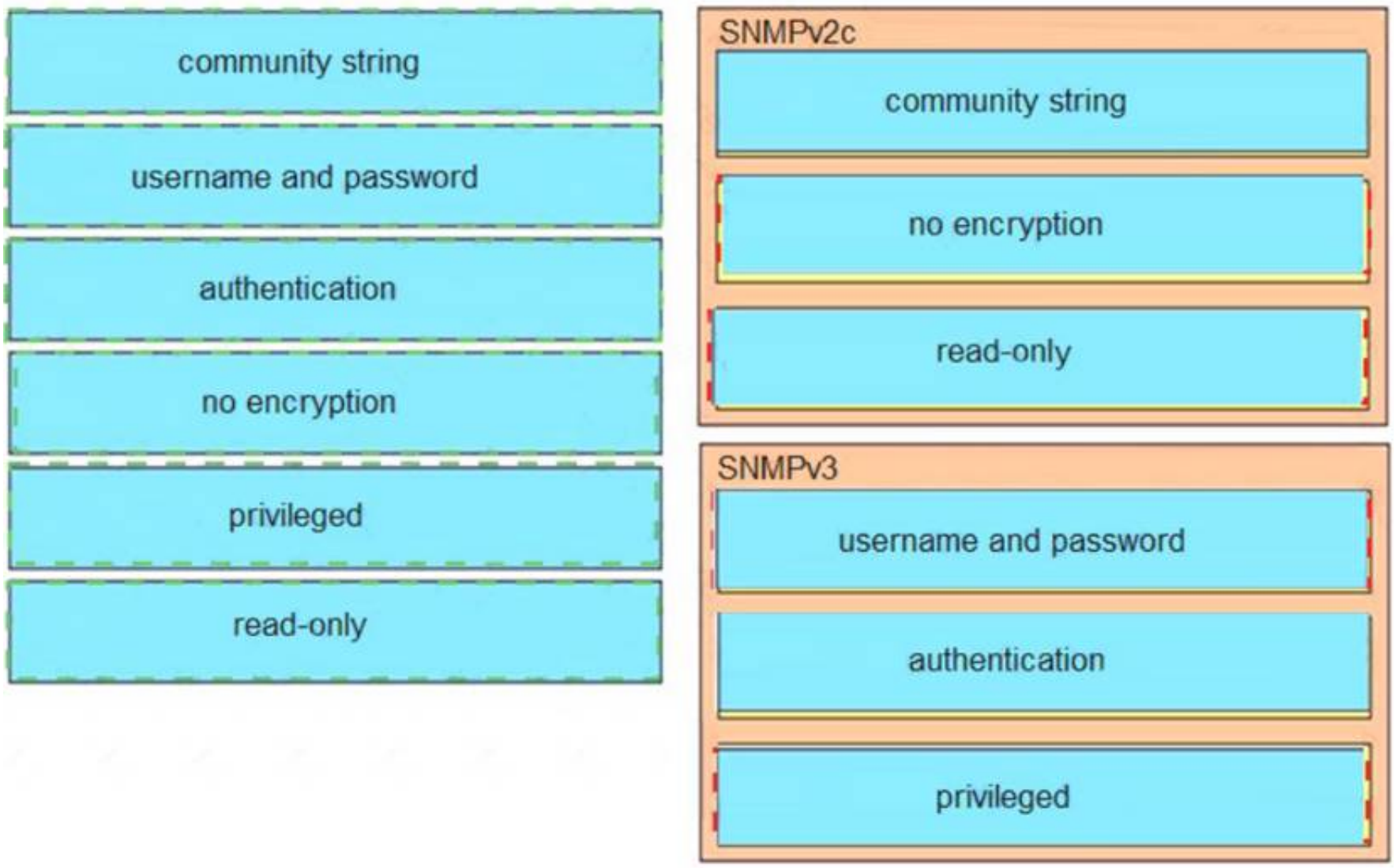
NEW QUESTION 6
Drag and drop the SNMP attributes in Cisco IOS devices from the left onto the correct SNMPv2c or SNMPV3 categories on the right.



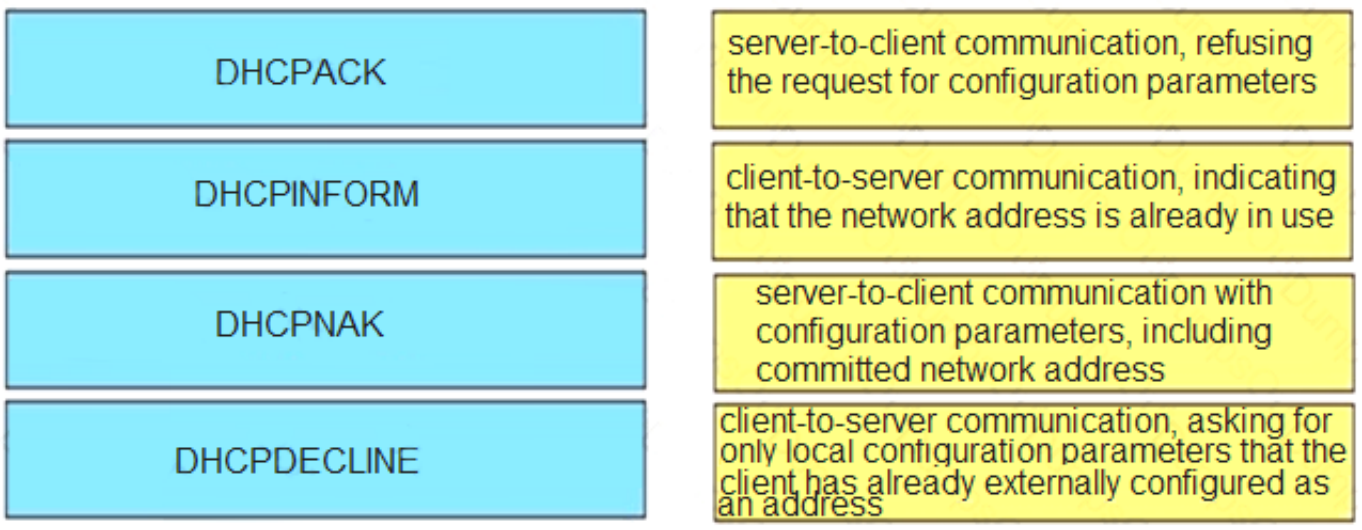
A. Mastered
B. Not Mastered

Answer: A

Explanation:



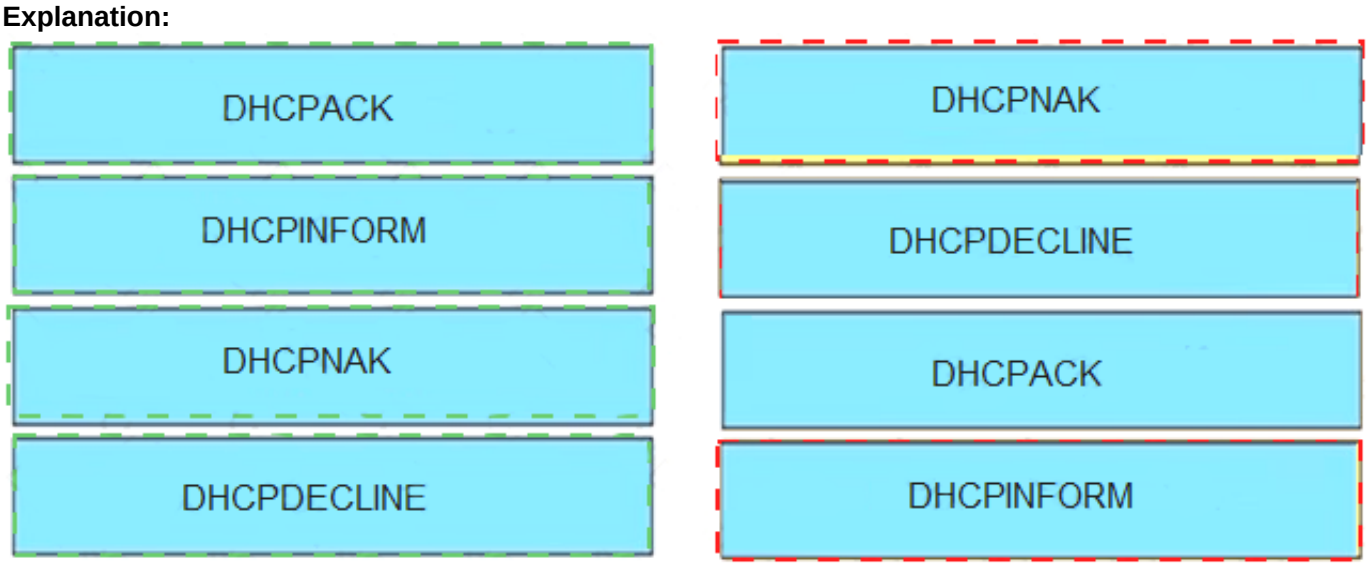
NEW QUESTION 7
Drag and drop the DHCP messages from the left onto the correct uses on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 8
Refer to the exhibit.

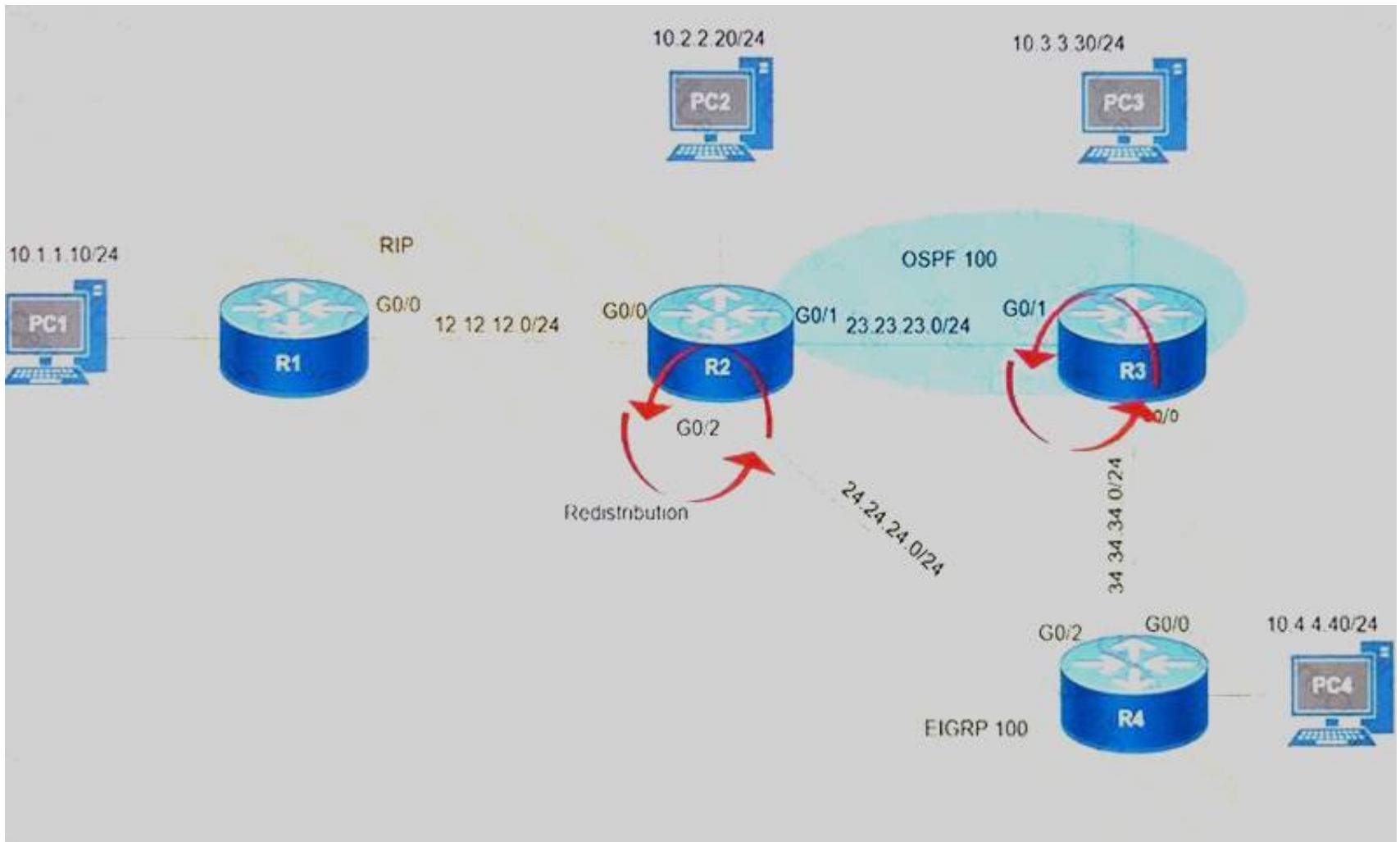
```
R1(config) # do show running-config | section line|username
username cisco secret 5 $1$yb/o$L3G5cXODxpYMSJ70PzEyo0
line con 0
  logging synchronous
line vty 0 4
  login local
  transport input telnet
R1(config) # logging console 7
R1(config) # do debug aaa authentication
R1(config) #
```

An administrator that is connected to the console does not see debug messages when remote users log in. Which action ensures that debug messages are displayed for remote logins?

A. Enter the transport input ssh configuration command.
B. Enter the terminal monitor exec command.
C. Enter the logging console debugging configuration command.
D. Enter the aaa new-model configuration command.

Answer: B

NEW QUESTION 9
Refer to the exhibit.



After redistribution is enabled between the routing protocols; PC2, PC3, and PC4 cannot reach PC1. Which action can the engineer take to solve the issue so that all the PCs are reachable?

A. Set the administrative distance 100 under the RIP process on R2.
B. Filter the prefix 10.1.1.0/24 when redistributed from OSPF to EIGRP.
C. Filter the prefix 10.1.1.0/24 when redistributed from RIP to EIGRP.
D. Redistribute the directly connected interfaces on R2.

Answer: B

NEW QUESTION 10
Refer to the exhibit.

```
R1#show policy-map control-plane
 Control Plane
        Service-policy input: CoPP-BGP
          Class-map: BGP (match all)
            2716 packets, 172071 bytes
            5 minute offered rate 0000 bps, drop rate 0000 bps
            Match: access-group name BGP
            drop

          Class-map: class-default (match-any)
            5212 packets, 655966 bytes
            5 minute offered rate 0000 bps, drop rate 0000 bps
            Match: any
```

What is the result of applying this configuration?

A. The router can form BGP neighborships with any other device.
B. The router cannot form BGP neighborships with any other device.
C. The router cannot form BGP neighborships with any device that is matched by the access list named “BGP”.
D. The router can form BGP neighborships with any device that is matched by the access list named “BGP”.

Answer: D

NEW QUESTION 10
Drag and drop the MPLS terms from the left onto the correct definitions on the right.

PE	device that forwards traffic based on labels
P	path that the labeled packet takes
CE	device that is unaware of MPLS labeling
LSP	device that removes and adds the MPLS labeling

A. Mastered
B. Not Mastered

Answer: A

Explanation:

PE	P
P	LSP
CE	CE
LSP	PE

NEW QUESTION 13
Refer to the exhibit.

```
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Down User reset
* Jun 28 14:41:57: %BGP_SESSION-5-ADJCHANGE: neighbor 192.168.2.2 IPv4 Unicast
topology base removed from session  User reset
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Up
R1#show clock
*15:42:00.506 CET Fri Jun 28 2019
```

An engineer is troubleshooting BGP on a device but discovers that the clock on the device
does not correspond to the time stamp of the log entries. Which action ensures consistency between the two times?

A. Configure the service timestamps log uptime command in global configuration mode.
B. Configure the logging clock synchronize command in global configuration mode.
C. Configure the service timestamps log datetime localtime command in global configuration mode.
D. Make sure that the clock on the device is synchronized with an NTP server.

Answer: D

NEW QUESTION 17
Refer to the exhibit.

```
access-list 100 deny tcp any any eq 465
access-list 100 deny tcp any eq 465 any
access-list 100 permit tcp any any eq 80
access-list 100 permit tcp any eq 80 any
access-list 100 permit udp any any eq 443
access-list 100 permit udp any eq 443 any
```

During troubleshooting it was discovered that the device is not reachable using a secure web browser. What is needed to fix the problem?

A. permit tcp port 443
B. permit udp port 465
C. permit tcp port 465
D. permit tcp port 22

Answer: A

NEW QUESTION 19
What is a prerequisite for configuring BFD?

A. Jumbo frame support must be configured on the router that is using BFD.
B. All routers in the path between two BFD endpoints must have BFD enabled.
C. Cisco Express Forwarding must be enabled on all participating BFD endpoints.
D. To use BFD with BGP, the timers 3 9 command must first be configured in the BGP routing process.

Answer: C

NEW QUESTION 21
Refer to the exhibit.

```
!
 neighbor 10.222.1.1 route-map SET-WEIGHT in
 neighbor 10.222.1.1 remote-as 1
!
ip as-path access-list 200 permit ^690$
ip as-path access-list 200 permit ^1800
!
route-map SET-WEIGHT permit 10
 match as-path 200
 set local-preference 250
 set weight 200
```

A router receiving BGP routing updates from multiple neighbors for routers in AS 690. What is the reason that the router still sends traffic that is destined to AS 690 to a neighbor other than 10.222.1.1?

A. The local preference value in another neighbor statement is higher than 250.
B. The local preference value should be set to the same value as the weight in the route map.
C. The route map is applied in the wrong direction.
D. The weight value in another statement is higher than 200.

Answer: D

NEW QUESTION 24
Refer to the exhibit.

```
R1#show ip ssh
SSH Disabled – version 1.99
%Please create RSA keys to enable SSH (and of atleast 768 bits for SSH v2).
Authentication timeout: 120 secs; Authentication retries: 3
Minimum expected Diffie Hellman key size: 1024 bits
IOS Keys in SECSH format (ssh-rsa, base64 encoded) : NONE
R1#
```

An engineer is trying to connect to a device with SSH but cannot connect. The engineer connects by using the console and finds the displayed output when troubleshooting. Which command must be used in configuration mode to enable SSH on the device?

A. no ip ssh disable
B. ip ssh enable
C. ip ssh version 2
D. crypto key generate rsa

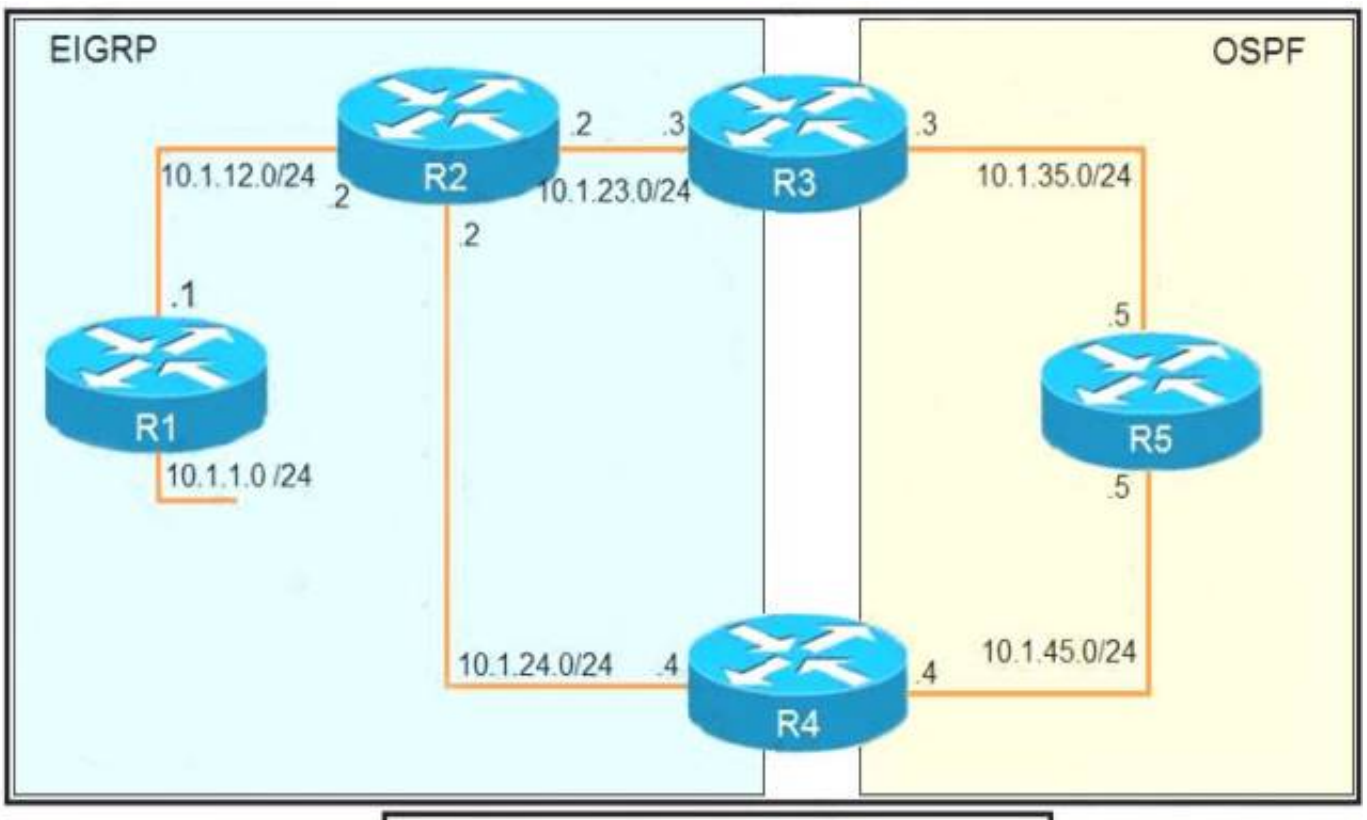
Answer: D

NEW QUESTION 25
An engineer configured the wrong default gateway for the Cisco DNA Center enterprise interface during the install. Which command must the engineer run to correct the configuration?

A. sudo maglev-config update
B. sudo maglev install config update
C. sudo maglev reinstall
D. sudo update config install

Answer: A

NEW QUESTION 29
Refer to the exhibit.




```
R1
router eigrp 1
  redistribute connected
  network 10.1.12.1 0.0.0.0

R3
router ospf 1
  redistribute eigrp 1 subnets
  network 10.1.35.3 0.0.0.0 area 0

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500
!
router ospf 1
  network 10.1.45.4 0.0.0.0 area 0

R5#traceroute 10.1.1.1

Type escape sequence to abort.
Tracing the route to 10.1.1.1

 1 10.1.35.3 80 msec 44 msec 20 msec
 2 10.1.23.2 44 msec 104 msec 64 msec
 3 10.1.24.4 44 msec 64 msec 40 msec
 4 10.1.45.5 24 msec 40 msec 20 msec
 5 10.1.35.3 92 msec 144 msec 148 msec
 6 10.1.23.2 108 msec 76 msec 80 msec
        <output truncuated>
```

The output of the trace route from R5 shows a loop in the network. Which configuration prevents this loop?
A)

```
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
  match tag 1
!
route-map FILTER-TAG permit 20
```

B)

```
R3
router eigrp 1
  redistribute OSPF 1 route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
  network 10.1.24.4 0.0.0.0
!
route-map FILTER-TAG deny 10
  match tag 1
!
route-map FILTER-TAG permit 20
```

C)

```
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG permit 10
  match tag 1
```

D)

```
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG deny 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
  match tag 1
```

A. Option A
B. Option B
C. Option C
D. Option D

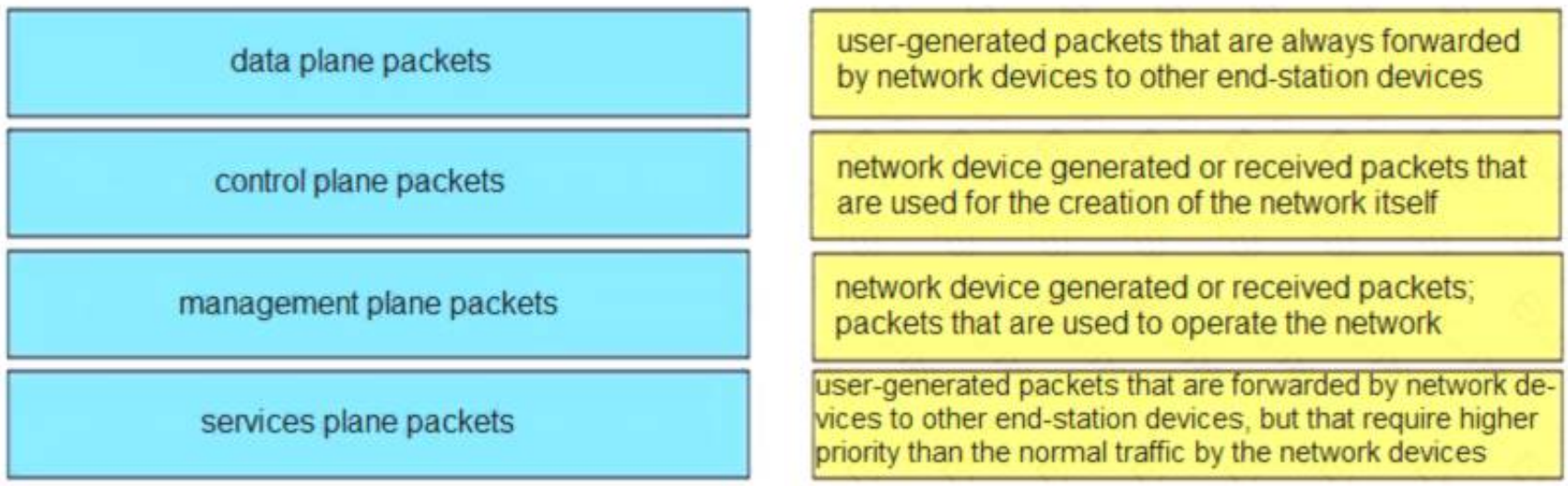
Answer: B

NEW QUESTION 31
Which command allows traffic to load-balance in an MPLS Layer 3 VPN configuration?

A. multi-paths eibgp 2
B. maximum-paths 2
C. maximum-paths ibgp 2
D. multi-paths 2

Answer: B

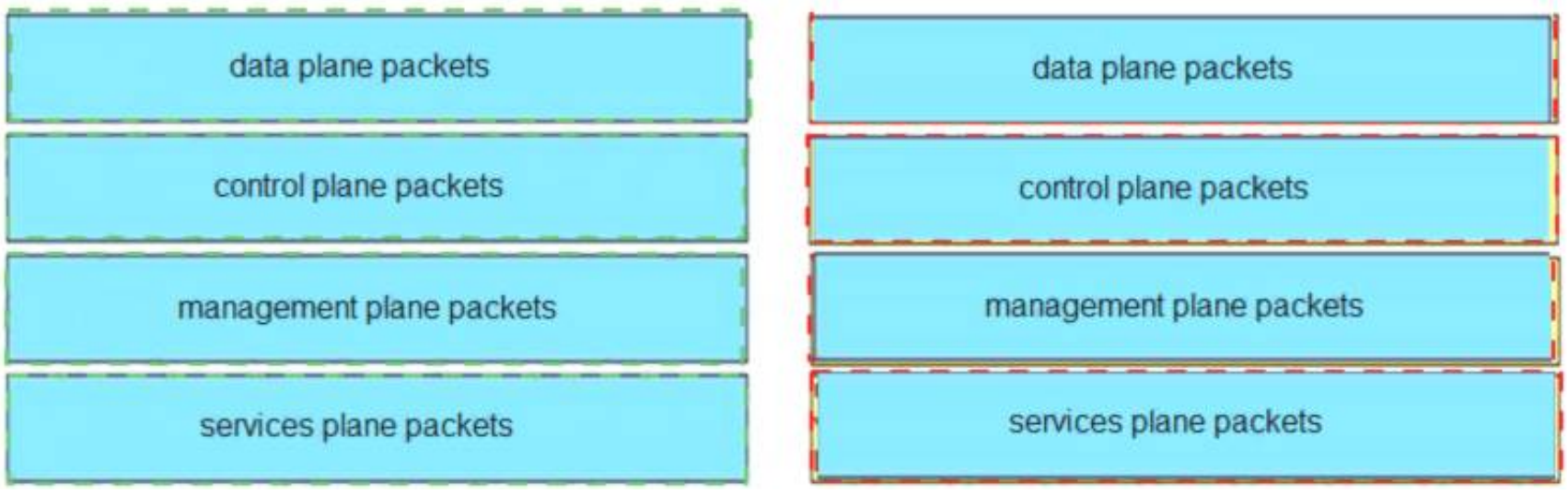
NEW QUESTION 33
Drag and drop the packet types from the left onto the correct descriptions on the right.



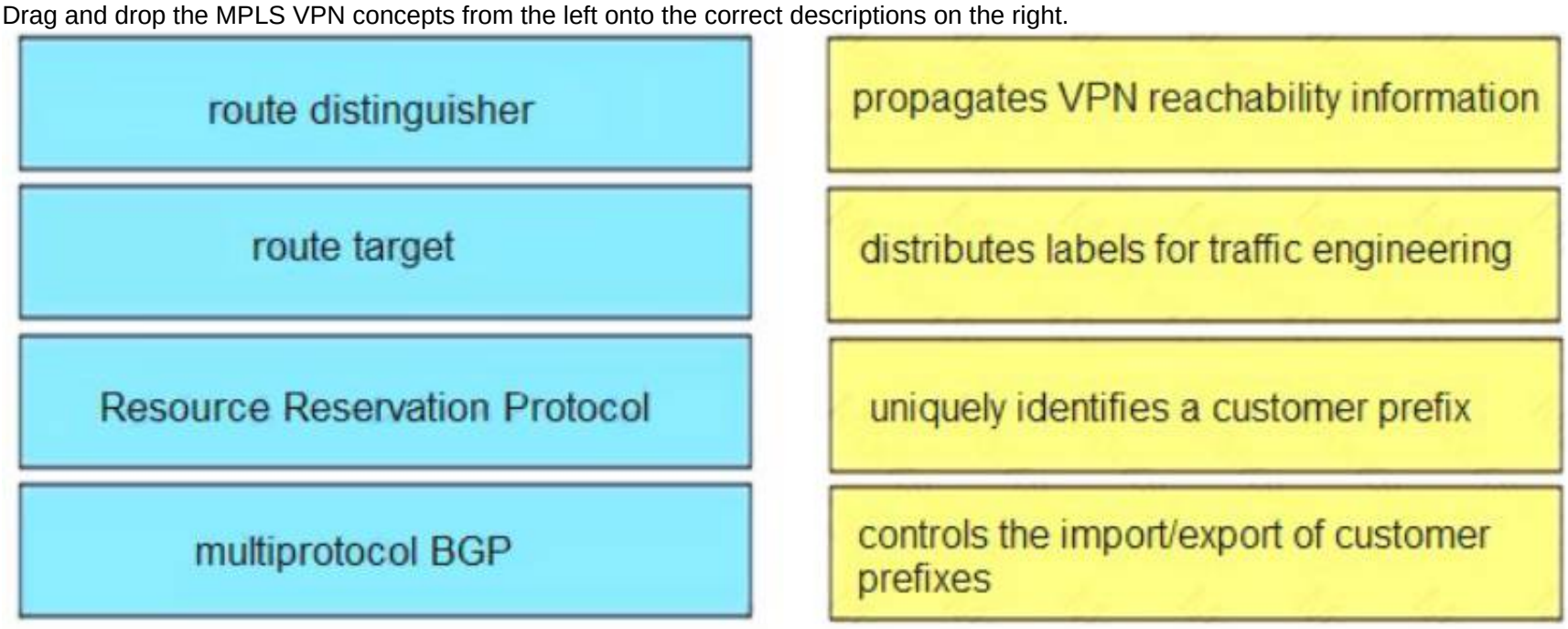
A. Mastered
B. Not Mastered

Answer: A

Explanation:



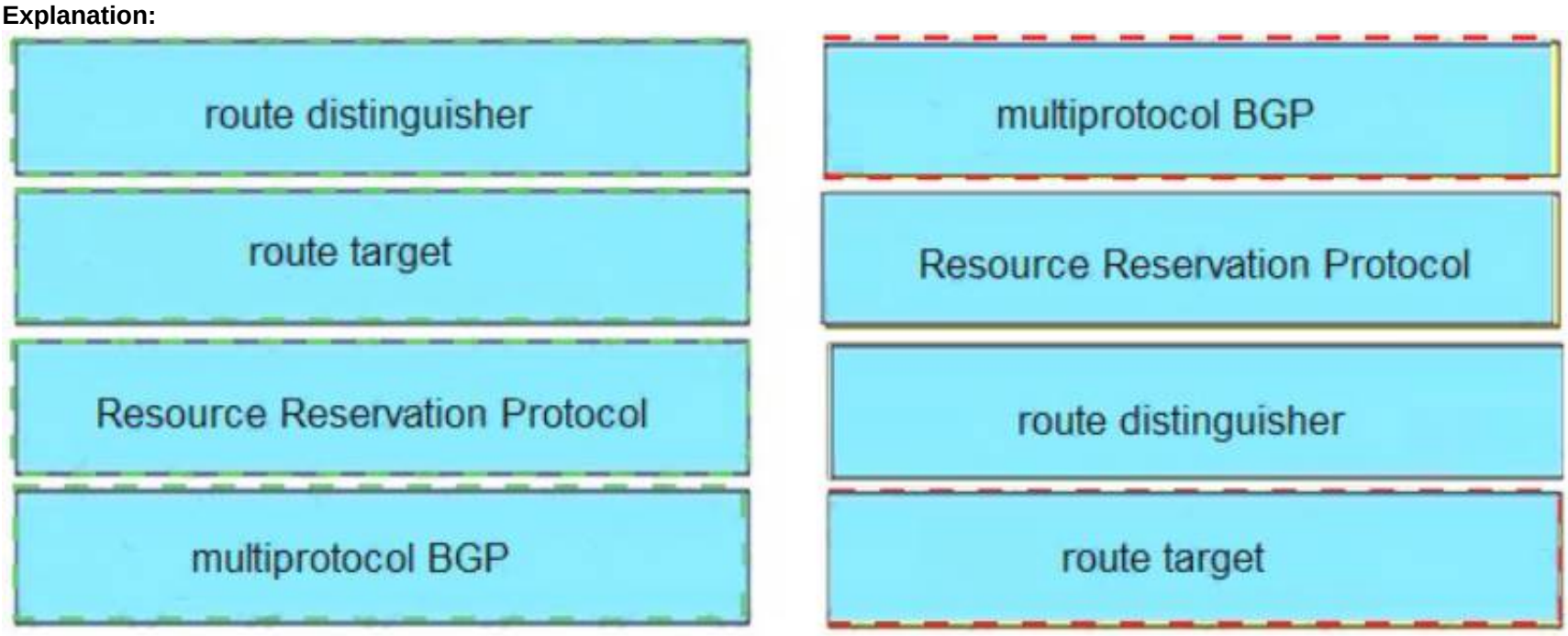
NEW QUESTION 35
Drag and drop the MPLS VPN concepts from the left onto the correct descriptions on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 39
Refer to the exhibit.

```
R200#show ip bgp summary
BGP router identifier 10.1.1.1, local AS number 65000
BGP table version is 26, main routing table version 26
1 network entries using 132 bytes of memory
1 path entries using 52 bytes of memory
2/1 BGP path/bestpath attribute entries using 296 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 2) using 28 bytes of memory
BGP using 508 total bytes of memory
BGP activity 24/23 prefixes, 24/23 paths, scan interval 60 secs
Neighbor        V    AS MsgRcvd  MsgSent    TblVer  InQ  OutQ  Up/Down   State/PfxRcd
192.0.2.2       4  65100  20335    20329       0    0     0  00:02:04   Idle (PfxCt)
R200#
```

In which circumstance does the BGP neighbor remain in the idle condition?

A. if prefixes are not received from the BGP peer
B. if prefixes reach the maximum limit
C. if a prefix list is applied on the inbound direction
D. if prefixes exceed the maximum limit

Answer: D

NEW QUESTION 40
Refer to the exhibit.

```
Router#show access-lists
Standard IP access list 1
        10 permit 192.168.2.2 (1 match)
Router#
Router#show route-map
route-map RM-OSPF-DL, permit, sequence 10
  Match clauses:
        ip address (access-lists): 1
  Set clauses:
  Policy routing matches: 0 packets, 0 bytes
Router#
Router#show running-config | section ospf
router ospf 1
  network 192.168.1.1 0.0.0.0 area 0
  network 192.168.12.0 0.0.0.255 area 0
  distribute-list route-map RM-OSPF-DL in
Router#|
```

An engineer is trying to block the route to 192.168.2.2 from the routing table by using the configuration that is shown. The route is still present in the routing table as an OSPF route. Which action blocks the route?

A. Use an extended access list instead of a standard access list.
B. Change sequence 10 in the route-map command from permit to deny.
C. Use a prefix list instead of an access list in the route map.
D. Add this statement to the route map: route-map RM-OSPF-DL deny 20.

Answer: B

NEW QUESTION 44
Which statement about MPLS LDP router ID is true?

A. If not configured, the operational physical interface is chosen as the router ID even if a loopback is configured.
B. The loopback with the highest IP address is selected as the router ID.
C. The MPLS LDP router ID must match the IGP router ID.
D. The force keyword changes the router ID to the specified address without causing any impact.

Answer: B

NEW QUESTION 49
Refer to the exhibit.

```
R1 #show ip bgp summary
BGP router identifier 192.168.1.1, local AS number 65000
<output omitted>
Neighbor        V  AS     MsgRcvd  MsgSent    Tblver  InQ  OutQ  Up/Down   State/PfxRcd
192.168.2.2     4  65000       28       28        22    0     0  00:21:31             0
R1#show ip bgp
BGP table version is 22, local router ID is 192.168.1.1
Status codes: s suppressed, d damped, h history, * valid, > best, i – internal,
              r RIB-failure, s stale, m multipath, b backup-path, f RT-Filter,
              x best-external, a additional-path, C RIB-compressed,
Origin codes: i – IGP, e – EGP, ? – incomplete
RPKI validation codes: V valid, I invalid, N Not found

     Network          Next Hop            Metric LocPrf         Weight       Path
*>   172.16.25.0/24   209.165.200.225          0              32768          ?
R1#
```

```
R2 #show ip bgp summary
BGP router identifier 192.168.2.2, local AS number 65000
<output omitted>
Neighbor        V  AS     MsgRcvd  MsgSent    Tblver  InQ  OutQ  Up/Down   State/PfxRcd
192.168.1.1     4  65000       29       28         3    0     0  00:22:07             1
192.168.3.3     4  65000        7        8         3    0     0  00:02:55             0
R2#show ip bgp
BGP table version is 3, local router ID is 192.168.2.2
Status codes: s suppressed, d damped, h history, * valid, > best, i – internal,
              r RIB-failure, s stale, m multipath, b backup-path, f RT-Filter,
              x best-external, a additional-path, C RIB-compressed,
Origin codes: i – IGP, e – EGP, ? – incomplete
RPKI validation codes: V valid, I invalid, N Not found

     Network          Next Hop            Metric LocPrf         Weight       Path
* i   172.16.25.0/24   209.165.200.225    0      100             0            ?
R2#
```

```
R3 #show ip bgp summary
BGP router identifier 192.168.3.3, local AS number 65000
BGP table version is 4, main routing table version 4
Neighbor        V  AS     MsgRcvd  MsgSent    Tblver  InQ  OutQ  Up/Down   State/PfxRcd
192.168.2.2     4  65000        8        7         4    0     0  00:03:08             0
R3#
```

R2 is a route reflector, and R1 and R3 are route reflector clients. The route reflector learns the route to 172.16.25.0/24 from R1, but it does not advertise to R3. What is the reason the route is not advertised?

A. R2 does not have a route to the next hop, so R2 does not advertise the prefix to other clients.
B. Route reflector setup requires full IBGP mesh between the routers.
C. In route reflector setup, only classful prefixes are advertised to other clients.
D. In route reflector setups, prefixes are not advertised from one client to another.

Answer: A

NEW QUESTION 50
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