



400-101^{Q&As}

CCIE Routing and Switching Written Exam

Pass Cisco 400-101 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.passapply.com/400-101.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





QUESTION 1

Which three protocols are permitted by IEEE 802.1x port-based authentication before the client is successfully authenticated by the RADIUS server?

- A. STP
- B. CDP
- C. IP
- D. BOOTP
- E. TCP
- F. EAPOL

Correct Answer: ABF

QUESTION 2

Refer to the exhibit.

```
R101#show ip cache verbose flow
[...]
```

SrcIf	SrcIPaddress	DstIf	DstIPaddress	Pr	TOS	Flgs	Pkts
Port Msk AS		Port Msk AS	NextHop			B/Pk	Active
Et0/0	10.0.0.1	Et1/0*	14.0.0.0	01	80	10	1
0000 /0 0		0800 /0 0	0.0.0.0			100	0.0

What is the PHB class on this?

- A. EF
- B. CS4
- C. none
- D. AF21

Correct Answer: B

QUESTION 3

Which option describes the purpose of the no ip next-hop-self eigrp configuration line in DMVPN deployment?

- A. It preserves the original next hop value as learned by the spoke routers.
- B. It allows the spoke routers to change the next hop value when sending EIGRP updates to the hub router.



- C. It preserves the original next hop value as learned by the hub routers.
- D. It enables EIGRP to dynamically assign the next hop value based on the EIGRP database.
- E. It allows the spoke routers to change the next hop value when sending EIGRP updates to the spoke router.

Correct Answer: A

QUESTION 4

Which two statements about Cisco IOS XE are true? (Choose two)

- A. It is deployed in a Linux-based environment.
- B. Separate images are required for platform-dependent code.
- C. Its functions run as multiple separate processes in the OS.
- D. The FED feature provides separation between the control plane and the data plane.
- E. It uses a service blade outside Cisco IOS XE to integrate and run applications

Correct Answer: AC

QUESTION 5

Which extended ping IP header option allows you to specify one or more hops over which the packets will travel without specifying the full path ?

- A. verbose
- B. record
- C. strict
- D. loose

Correct Answer: D

QUESTION 6

What feature can a device use to identify other members of the same IPv6 multicast group on a network segment?

- A. MSDP
- B. rendezvous points
- C. MLD
- D. source-specific multicast



Correct Answer: C

QUESTION 7

Which extended ping IP header option allows you to specify one or more hops over which the packets will travel without specifying the full path?

- A. verbose
- B. loose
- C. strict
- D. record

Correct Answer: A

QUESTION 8

Which two statements about AAA authentication are true? (Choose two)

- A. RADIUS authentication queries the router's local username database.
- B. TACACS+ authentication uses an RSA server to authenticate users.
- C. Local user names are case-insensitive.
- D. Local authentication is maintained on the router.
- E. KRB5 authentication disables user access when an incorrect password is entered.

Correct Answer: DE

QUESTION 9

Refer to the exhibit. What are two effects of the given configuration? Choose two

```
track 1 interface Ethernet1/0 line-protocol
track 2 interface Ethernet1/1 line-protocol
track 3 interface Ethernet1/2 line-protocol
track 100 list threshold weight
    object 1 weight 15
    object 2 weight 20
    object 3 weight 30
    threshold weight down 10 up 30
```



- A. Track object 100 goes down if Ethernet1/0 goes down.
- B. The aggregate weight of track object 100 is set to 30.
- C. Track object 100 goes down if Ethernet1/2 goes down.
- D. The aggregate weight of track object 100 is set to 40.
- E. Track object 100 stays up as long as both Ethernet1/0 and Ethernet1/1 are up.
- F. Track object 100 goes down if all three interfaces go down.

Correct Answer: EF

QUESTION 10

What are two general SDN characteristics? (Choose two)

- A. Northbound interfaces are open interfaces used between the control plane and the data plane
- B. OpenFlow is considered one of the first Northbound APIs used by SDN controllers.
- C. The separation of the control plane from the data plane
- D. Southbound interfaces are interfaces used between use control plane and the data plane
- E. OVSDB is an application database management protocol

Correct Answer: AC

QUESTION 11

Which routing protocol type prevents routing loops by recording each autonomous system that a route traverses?

- A. Path-vector routing
- B. Link-state routing
- C. Distance-vector routing
- D. Hybrid routing

Correct Answer: D

QUESTION 12

which feature prevents the formation of interarea routing loops?



- A. shortest-path trees
- B. stub areas
- C. the backbone area
- D. redistribution

Correct Answer: C

QUESTION 13

Exhibit:

```
Entry1: AS (PATH) 400 , med 150, external , rid 2.2.2.2↵
Entry2: AS (PATH) 100 , med 200, external , rid 1.1.1.1↵
Entrv3: AS (PATH) 400. med 100. external . rid 3.3.3.3↵
```

With BGP always-compare-med enabled, which BGP entry is installed in the RIB?

- A. Entry 1 because it was installed first (oldest) in the BGP table.
- B. Entry 1 because it has the best MED of the external routes.
- C. Entry 2 because it has the lowest router ID.
- D. Entry 3 because it has the lowest MED.

Correct Answer: D

QUESTION 14

Which two statements about VPLS are true? (choose two)

- A. The service provider provisions CE devices
- B. It enables CE devices to operate as part of an L3 VPN
- C. It uses broadcast replication to transmit Ethernet packets with multicast MAC addresses
- D. It enables CE devices on different networks to operate as if they were in the same LAN
- E. It transmits broadcast traffic more efficiently than Ethernet switches
- F. It enables PE and CE devices to operate as if they were routing neighbors

Correct Answer: CD



QUESTION 15

Which three elements compose a network entity title? (Choose three.)

- A. area ID
- B. domain ID
- C. system ID
- D. NSAP selector
- E. MAC address
- F. IP address

Correct Answer: ACD

QUESTION 16

What is the default IS-IS interface metric on a Cisco router?

- A. 64
- B. 128
- C. 255 D. 10

Correct Answer: D

QUESTION 17

Which IPV6 Migration method relies on dynamic tunnels that use the 2002::/16 reserved address space?

- A. 6RD
- B. ISATAP
- C. 6to4
- D. GRE

Correct Answer: C

QUESTION 18

Exhibit:



```
access-switch-1#show interface fastethernet0/9
FastEthernet0/9 is up, line protocol is up (connected)
Hardware is Fast Ethernet, address is 04da.d117.8209 (bia 04da.d117.8209)
Auto-Duplex, Auto-speed, media type is 10/100BaseTX
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes): Total drops: 5917452

access-switch-1#show mls que interface fastethernet0/9 statistics
Queue set: 1
output queue dropped:
-----
queue:  threshold1  threshold2  thr  drop
-----
queue 0:      0            0         0      0
queue 1:  21164955    59824645    1      1
queue 2:      0            0         0      0
queue 3:      0            0         0      0
```

Your network is suffering excessive output drops. Which two actions can you take to resolve the problem? (Choose two.)

- A. Install a switch with larger buffers.
- B. Configure a different queue set.
- C. Reconfigure the switch buffers.
- D. Configure the server application to use TCP.
- E. Update the server operating system.

Correct Answer: AB

QUESTION 19

Which two statements are true about control plane policing? (Choose two)

- A. Access list that are used in policies for control plane policing must not use the log keyword
- B. The log keyword can be used but the log-input keyword must not be used in policies for control plane policing
- C. Packets denied by an explicit access control list entry do not progress to the next class in control plane policing
- D. Control plane policing will affect only traffic that is destined to the route processor

Correct Answer: AC

QUESTION 20

Which statement about EIGRP request packets is true ?

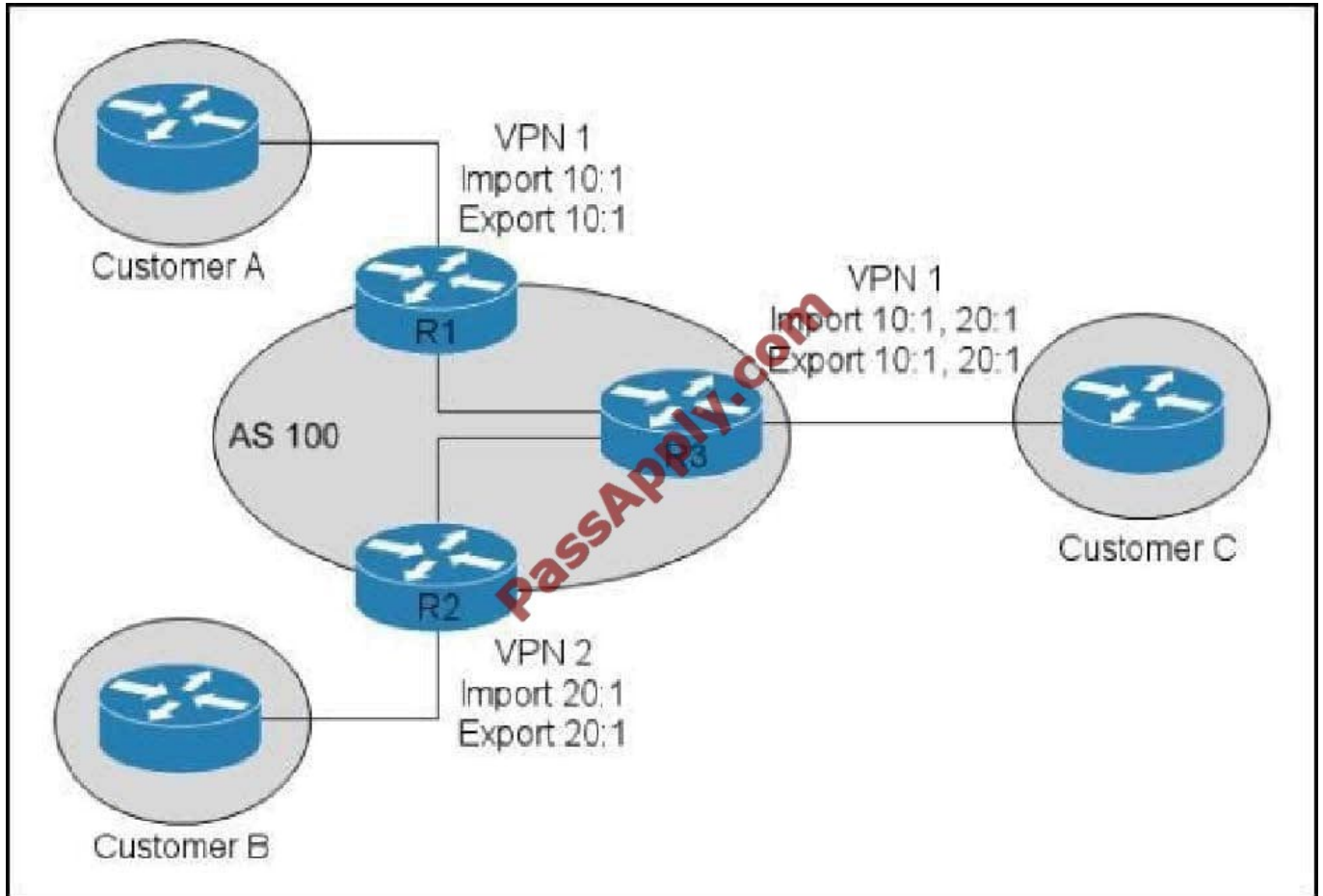
- A. They determine whether a destination is reachable
- B. They are sent in response to queries.
- C. They are transmitted via broadcast



D. They are transmitted unreliably

Correct Answer: D

QUESTION 21



Which two statements about the VPN solution are true? (Choose two.)

- A. Customer A and customer B will exchange routes with each other.
- B. R3 will advertise routes received from R1 to R2.
- C. Customer C will communicate with customer A and B.
- D. Communication between sites in VPN1 and VPN2 will be blocked. E. R1 and R2 will receive VPN routes advertised by R3.

Correct Answer: C

QUESTION 22



You are configuring CoS-to-OSCP mappings with three requirements:

COS 1 must be translated into Afl 3.

COS 2 must be translated into AF22.

COS 5 must be translated into EF.

Which configuration command can you use to implement the requirements?

A.

mis qos map cos-dscp O 12 18 24 32 46 48 56

B.

mis qos map cos-dscp O 1218 24 32 40 46 56

C.

mis qos map cos-dscp o 14 20 24 32 46 48 56

D.

mis qos map cos-dscp O 10 18 24 32 46 48 56

Correct Answer: C

QUESTION 23

Select and Place:

ACK	a packet that aids fast convergence
Hello	a packet that confirms reachability
Query	a packet that is used to find neighbors
Reply	a packet without content
Update	a unicast message to acknowledge requests



Correct Answer:



QUESTION 24

interface FastEthernet0/0 ip address 192.168.10.1 255.255.255.0 ip router isis: 1/48 ipv6 address 2001:DB8:10::1 ipv6 router isis

router isis net 01.0001.0000.0000.0001.00

Refer to the exhibit. What type of IS-IS is configured on R1?

- A. VRF-aware IS-IS
- B. IS-IS version 2
- C. multi-process IS-IS
- D. single-topology IS-IS

Correct Answer: D

QUESTION 25

R1-----R2-----R3-----R4

route prefix R2 ip prefix-list ccie seq 5 permit 10.10.32.0/22 le 24 route-map ccie permit 10 match ip address prefix-list ccie set tag 10 route-map cce permit 20 set tag 20 R3 ip prefix-list ccie seq 5 permit 10.10.32.0/23 le 24 route-map ccie permit 10 match ip address prefix-list ccie set tag 30 route-map cce deny 20 Refer to the exhibit. which statement about the 10.10.38.0/22 route is true?



- A. It arrives at router R4 with the tag 20
- B. It arrives at router R4 without a tag
- C. It arrives at router R4 with the tag 10
- D. It arrives at router R4 with the tag 30

Correct Answer: C

QUESTION 26

Which two statements about EIGRP acknowledgement packets are true?(choose two)

- A. They are unicast
- B. They are Hello packets sent without data
- C. They can combine multiple packs in a single packet
- D. They are multicast
- E. They are broadcast
- F. They are required for every request packet

Correct Answer: AB

QUESTION 27

Which statement is true about conditional advertisements?

- A. Conditional advertisements create routes when a predefined condition is met.
- B. Conditional advertisements create routes when a predefined condition is not met.
- C. Conditional advertisements delete routes when a predefined condition is met.
- D. Conditional advertisements create routes and withhold them until a predefined condition is met.
- E. Conditional advertisements do not create routes, they only withhold them until a predefined condition is met.

Correct Answer: E

QUESTION 28



```
R2
class-map match-any CM-CLASS1
  match ip dscp af31
class-map match-any CM-CLASS3
  match ip dscp af33
class-map match-any CM-CLASS2
  match ip dscp af32

policy-map PM-INGRESS
  class CM-CLASS1
  class CM-CLASS2
  class CM-CLASS3

interface GigabitEthernet1/0
  service-policy input PM-INGRESS
```

Refer to the exhibit. If router R1 sends traffic marked with IP precedence 3 to R2's Loopback 0 address. Which class would the traffic match on R2's Gi1/0 interface?

- A. CM-CLASS-3
- B. CM-CLASS-2
- C. CM-CLASS-1
- D. class-default

Correct Answer: D

QUESTION 29

Refer to the exhibit.



```
R101#show ip cache verbose flow
[...]
SrcIf          SrcIPaddress  DstIf          DstIPaddress  Pr TOS Flgs  Pkts
Port Msk AS    Port Msk AS    Nex Hop        B/Pk  Active
Et0/0         10.0.0.1      Et1/0*        10.0.0.2      01 80  10    1
0000 /0  0            0800 /0  0            0.0.0.0      100   0.0
```

What is the PHB class on this flow?

- A. EF
- B. none
- C. AF21
- D. CS4

Correct Answer: B

QUESTION 30

Refer to the exhibit.

```
ip prefix-list ccie1 seq 5 permit 172.16.0.0/17 le 24
ip prefix-list ccie2 seq 5 permit 172.16.128.0/17 le 24
ip prefix-list ccie3 seq 5 permit 172.17.128.0/17 le 24

route-map ccie permit 10
  match ip address prefix-list ccie1
  set tag 10
route-map ccie permit 20
  match ip address prefix-list ccie2
  set tag 20
route-map ccie permit 30
  match ip address prefix-list ccie3
  set tag 30
route-map ccie permit 40
  set tag 40
```

What tag will be applied to the 172.16.130.0/24 route?

- A. 10
- B. 20



C. 30

D. 40

Correct Answer: B

QUESTION 31

Which option describes the characteristics of a public Infrastructure as a Service cloud service model?

- A. It is a way of delivering cloud-computing infrastructure (servers, storage, network, and operating systems) as an on-demand service.
- B. It is a cloud-computing platform that facilitates the creation of web applications without the need to maintain the supporting software operating systems
- C. It is a cloud service where the underlying hardware is managed by the cloud service provider.
- D. It is a cloud-computing platform that facilitates the creation of web applications without the need to maintain the supporting software applications

Correct Answer: A

QUESTION 32

Which three fields are part of a TCN BPDU? (Choose three.)

- A. protocol ID
- B. version
- C. type
- D. max-age
- E. flags
- F. message age

Correct Answer: ABC

QUESTION 33

which two statements about the IS-IS cost metric are true?(choose two)

- A. The cost is calculated automatically based on the interface bandwidth and delay
- B. It is the only IS-IS metric supported on Cisco devices
- C. The cost is calculated automatically based on the delay only



- D. The cost is calculated automatically based on the interface bandwidth only
- E. A default cost of 1 is automatically assigned to all interface
- F. A default cost of 10 is automatically assigned to all interface

Correct Answer: DF

QUESTION 34

Refer to the exhibit.

```
R5#show ip eigrp topology all
IP-EIGRP Topology Table for AS(100)/ID(192.168.1.1)
Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,
       r - reply Status, s - sia Status

P 192.168.45.0/24, 1 successors, FD is 281600, serno 1
  via Connected, FastEthernet0/1
P 192.168.35.0/24, 1 successors, FD is 281600, serno 7
  via Connected, FastEthernet0/0
P 192.168.12.0/24, 2 successors, FD is 309760, serno 9
  via 192.168.35.3 (309760/412160), FastEthernet0/1
  via 192.168.45.4 (309760/281600), FastEthernet0/0
P 192.168.24.0/24, 1 successors, FD is 307200, serno 2
  via 192.168.45.4 (307200/281600), FastEthernet0/1
  via 192.168.35.3 (307200/307200), FastEthernet0/0
P 192.168.23.0/24, 1 successors, FD is 307200, serno 8
  via 192.168.35.3 (307200/281600), FastEthernet0/0
  via 192.168.45.4 (332800/307200), FastEthernet0/1
P 172.16.1.1/32, 2 successors, FD is 437760, serno 10
  via 192.168.35.3 (437760/412160), FastEthernet0/0
  via 192.168.45.4 (437760/412160), FastEthernet0/1
```

If interface FastEthernetO/1 goes down,how does router R5 respond?

- A. It sends query packets to neighbor 192.168.35.3 for destination 192.168.24.0/24.
- B. It sends update packets to neighbor 192.168.35.3 for destination 192.168.24.0/24
- C. It is stuck in active for destination 192.168.24.0/24
- D. It uses interface F0/0 and neighbor 192.168.35.3 as the new path to destination 192.168.24.0/24

Correct Answer: A

QUESTION 35

Which two statements about the Add Path Support in EIGRP feature are true?(Choose two)

- A. It uses the variance command to alter the metrics of routes
- B. The next-hop-self command should be disabled to prevent interference with the add- paths command



- C. It allows a DMVPN hub to advertise as many as five best paths
- D. It is supported with both DMVPN and GETVPN
- E. It is supported in both classic EIGRP and EIGRP named mode configurations

Correct Answer: BC

QUESTION 36

Which two statements about logging are true? (Choose two)

- A. Log messages are displayed in a Telnet session by default.
- B. Interface status changes are logged at the Informational level.
- C. Interface status changes are logged at the Notification level
- D. Log messages are sent to the console port by default.
- E. Reload requests are logged at the Notification level.
- F. System restart messages are logged at the Critical level.

Correct Answer: AC

QUESTION 37

An IP SLA fails to generate statistics. How can you fix the problem?

- A. Add the verify-data command to the router configuration
- B. Reload the router configuration.
- C. Remove the ip sla schedule statement from the router configuration and re-enter it.
- D. Add the debug ip sla trace command to the router configuration.
- E. Add the debug ip sla error command to the router configuration.

Correct Answer: A

QUESTION 38

Which type of ACL can be applied only to Layer 2 ports?

- A. port ACLs
- B. standard ACLs
- C. reflexive ACLs



- D. dynamic ACLs
 - E. VLAN ACLs
- Correct Answer: A

QUESTION 39

Drag and drop the EIGRP query condition on the left to the corresponding action taken by the router on the right.

Select and Place:

The EIGRP table is missing an entry for the route	A feasible successor is installed in the routing table, and a reply
The EIGRP table lists the querying router as the successor for	The router replies with the successor information
The querying router is the successor, and no feasible successor exists	The router replies to the query with an unreachable message
the EIGRP table has a successor	The router send a query on all interfaces except the interface that had the successor route

Correct Answer:

	The EIGRP table lists the querying router as the successor for
	the EIGRP table has a successor
	The EIGRP table is missing an entry for the route
	The querying router is the successor, and no feasible successor exists

QUESTION 40

```
router bgp 64496 no synchronization bgp log-neighbor-changes aggregate-address 10.0.0.0 255.0.0.0 as-set summary-only neighbor 192.168.1.2 remote-as 64497 neighbor 192.168.2.2 remote-as 64498 neighbor 192.168.3.2 remote-as 64499 no auto-summary
```

Which option describes the purpose of the as-set argument of the aggregate-address command?



- A. It provides a predefined AS path in the aggregate advertisement that is used to indicate an aggregate prefix.
- B. It provides a list of AS numbers top which the aggregate is advertised.
- C. It provides an AS path in the aggregate advertisement that includes the AS numbers of the component members
- D. it provides an AS path in the aggregate advertisement that contains only the local AS number.

Correct Answer: C

[Latest 400-101 Dumps](#)

[400-101 PDF Dumps](#)

[400-101 Exam Questions](#)



To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

Try our product !

100% Guaranteed Success
100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications. You can view Vendor list of All Certification Exams offered:

<https://www.passapply.com/allproducts>

Need Help

Please provide as much detail as possible so we can best assist you.
To update a previously submitted ticket:



 <p>One Year Free Update Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p>Money Back Guarantee To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p>Security & Privacy We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.
All trademarks are the property of their respective owners.
Copyright © passapply, All Rights Reserved.