



Free Cisco 200-301 CCNA Practice Questions

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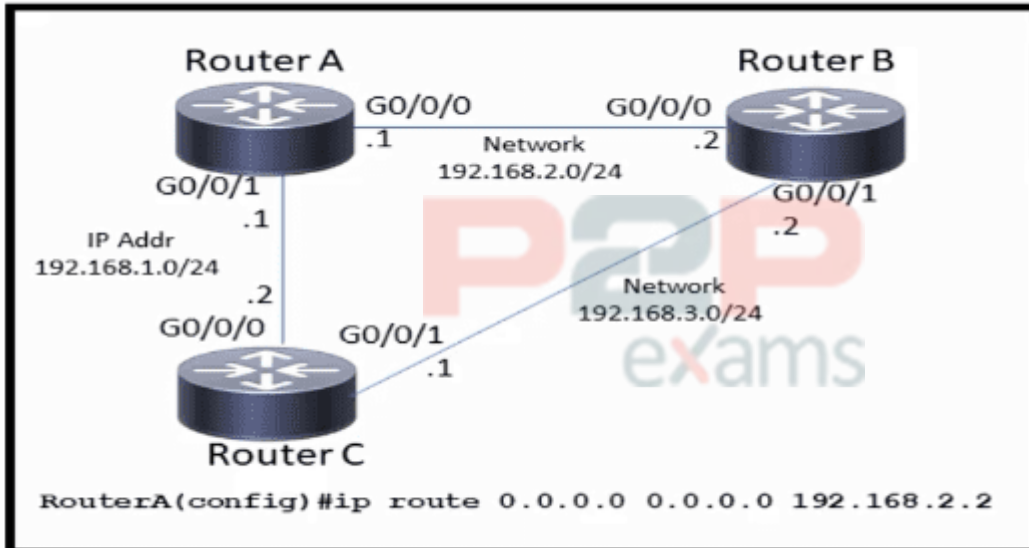
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Question 1

Question Type: MultipleChoice

Refer to the exhibit.



Which command must be issued to enable a floating static default route on router A?

Options:

- B- ip default-gateway 192.168.2.1
- A- ip route 0.0.0.0 0.0.0.0 192.168.1.2
- C- ip route 0.0.0.0 0.0.0.0 192.168.2.1 10
- B- ip default-gateway 192.168.2.1
- D- ip route 0.0.0.0 0.0.0.0 192.168.1.2 10
- C- ip route 0.0.0.0 0.0.0.0 192.168.2.1 10
- D- ip route 0.0.0.0 0.0.0.0 192.168.1.2 10

Answer:

D, D

Explanation:

ip route 0.0.0.0 0.0.0.0 192.168.1.2 10. Cisco forwarding uses longest-prefix match first, then administrative distance and metric when multiple sources compete. Cisco CCNA 200-301 v1.1 includes this under IP Connectivity, where the expected skill is identifying the mechanism that actually satisfies the scenario. The wording usually gives the decisive clue: a protocol number, a route prefix, a control-plane role, a wireless security method, or a management command. Wrong choices either do not match the destination prefix, point to the wrong next hop, or fail to

create the required primary or backup route. In a real network, selecting the wrong option would usually produce a failed adjacency, broken client connectivity, insecure management access, or an incorrect forwarding path. The selected answer matches the Cisco behavior and configuration model required by the question, so it is retained as the verified answer for this item.

Question 2

Question Type: MultipleChoice

Which technology allows multiple operating systems to run on a single physical server?

Options:

- A- cloud computing
- B- virtualization
- C- application hosting
- D- containers

Answer:

B

Question 3

Question Type: MultipleChoice

What are two reasons for an engineer to configure a floating static route? (Choose two)

Options:

- A- to automatically route traffic on a secondary path when the primary path goes down
- B- to route traffic differently based on the source IP of the packet
- C- to enable fallback static routing when the dynamic routing protocol fails
- D- to support load balancing via static routing
- E- to control the return path of traffic that is sent from the router

Answer:

A, C

Question 4

Question Type: MultipleChoice

Which MAC address is recognized as a VRRP virtual address?

Options:

- A- 0000.5E00.010a
- B- 0005.3711.0975
- C- 0000.0C07.AC99
- D- 0007.C070/AB01

Answer:

A

Explanation:

With VRRP, the virtual router's MAC address is 0000.5E00.01xx , in which xx is the VRRP group.

Question 5

Question Type: MultipleChoice

Which WAN access technology is preferred for a small office / home office architecture?

Options:

- A- broadband cable access
- B- frame-relay packet switching
- C- dedicated point-to-point leased line
- D- Integrated Services Digital Network switching.

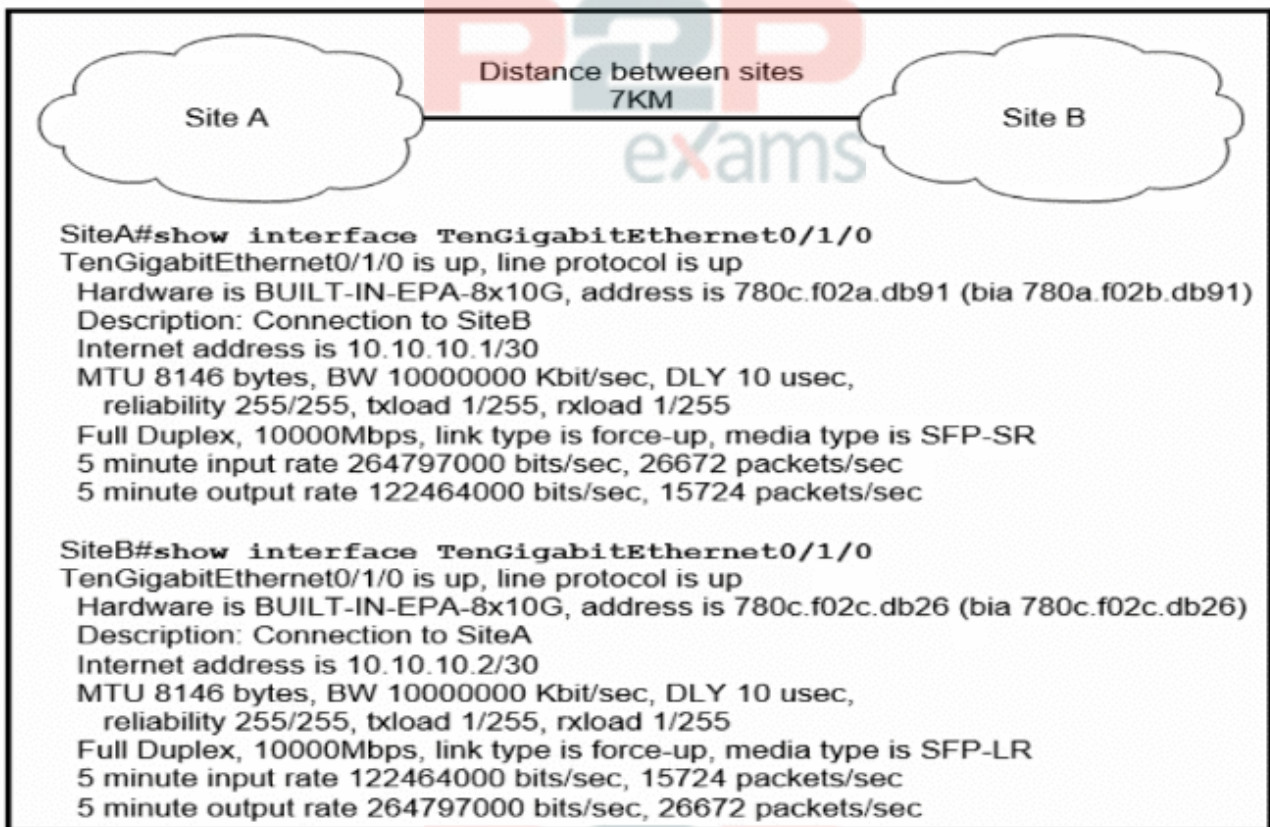
Answer:

A

Question 6

Question Type: MultipleChoice

Refer to the exhibit.



Site A was recently connected to site B over a new single-mode fiber path. Users at site A report Intermittent connectivity Issues with applications hosted at site B. What is the reason for the problem?

Options:

- A- Heavy usage is causing high latency.
- B- An incorrect type of transceiver has been inserted into a device on the link.
- C- physical network errors are being transmitted between the two sites.
- D- The wrong cable type was used to make the connection.

Answer:

B

Question 7

Question Type: MultipleChoice

Refer to the exhibit.

The screenshot shows a configuration window for wireless security. It has several sections with checkboxes and radio buttons. A large 'P2P exams' watermark is visible across the center.

Section	Option	Selection
Policy	WPA2 Policy	☒
	WPA3 Policy	☐
WPA2/WPA3 Encryption	AES(CCMP128)	☐
	CCMP256	☐
	GCMP128	☐
	GCMP256	☐
MPSK	MPSK	☐
	Auth Key Mgmt	
Auth Key Mgmt	802.1x	☐
	PSK	☐
	CCKM	☐
	SAE	☐
	OWE	☐
	FT + 802.1x	☐
	FT + PSK	☐

Refer to the exhibit. An engineer is creating a secure preshared key based SSID using WPA2 for a wireless network running on 2.4 GHz and 5 GHz. Which two tasks must the engineer perform to complete the process? (Choose two.)

Options:

- A- Select the 802.1 x option for Auth Key Management.
- B- Select the WPA Policy option.
- C- Select the PSK option for Auth Key Management.
- D- Select the AES option for Auth Key Management.
- E- Select the AES (CCMP128) option for WPA2/WPA3 Encryption.

Answer:

D, E

Question 8

Question Type: MultipleChoice

What does the implementation of a first-hop redundancy protocol protect against on a network?

Options:

- A- root-bridge loss
- B- spanning-tree loops
- C- default gateway failure
- D- BGP neighbor flapping

Answer:

C

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