

Designing Cisco Network Service Architectures

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Question 1

What is the maximum number of routers that each OSPF area (including the backbone) should contain?

Options:

- A. 30
- B. 10
- C. 50
- D. 60

Answer: C

Question 2

What is the maximum number of neighbours that a router should have in an OSPF area?

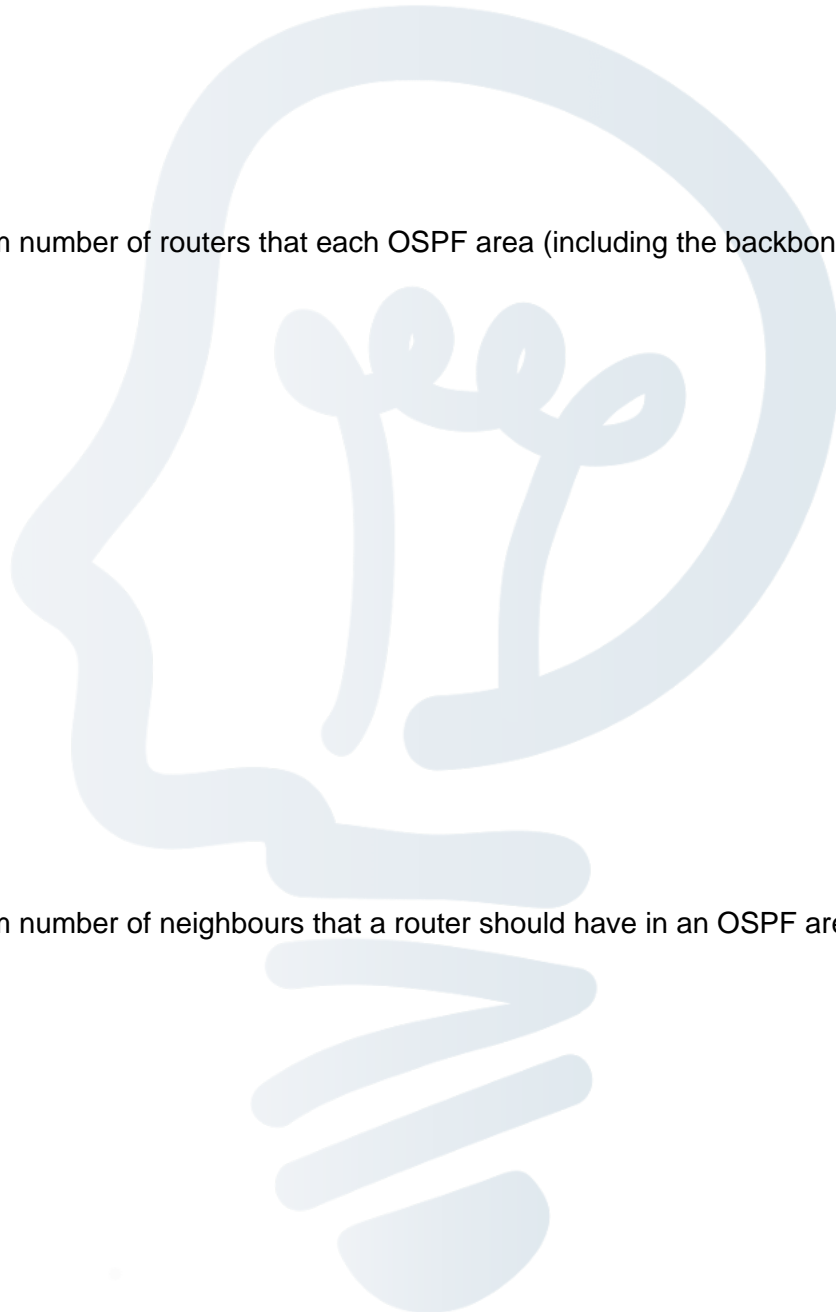
Options:

- A. 5
- B. 30
- C. 50
- D. 60

Answer: D

Question 3

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Which technology allows multiple instances of a routing table to coexist on the same router simultaneously?

Options:

- A. VRF
- B. Cisco virtual router
- C. Instanced virtue router
- D. IS-IS

Answer: A

Question 4

Which first-hop redundancy protocol that was designed by Cisco allows packet load sharing among groups of redundant routers?

Options:

- A. GLBP
- B. HSRP
- C. VRRP
- D. VSS

Answer: A

Question 5

Which routing protocol provides the fastest convergence and greatest flexibility within a campus environment?

Options:

- A. OSPF
- B. IS-IS
- C. BGP
- D. EIGRP

Answer: D

Question 6

A network manager wants to securely connect a new remote site to the existing headquarters site using a VPN technology that meets security requirements. Which VPN technology should be used?

Options:

- A. GRE
- B. IP sec
- C. remote-access VPN
- D. L2TP VPN

Answer: B

Question 7

Which type of connectivity is required for VPLS?

Options:

- A. Full mesh
- B. Partial mesh
- C. Star
- D. Bus
- E. Ring

Answer: A

Question 8

Which protocol should be run on the LAN side of two edge routers (that are terminating primary and backup WAN circuits) to provide quick failover in case of primary WAN circuit failure?

Options:

- A. VTP
- B. STP
- C. VRRP
- D. RIP

Answer: C

Question 9

Which protocol is best when there are circuit connectors with two different ISPs in a multihoming scenario ?

Options:

- A. VRRP
- B. BGP
- C. IP sec
- D. SSL

Answer: B

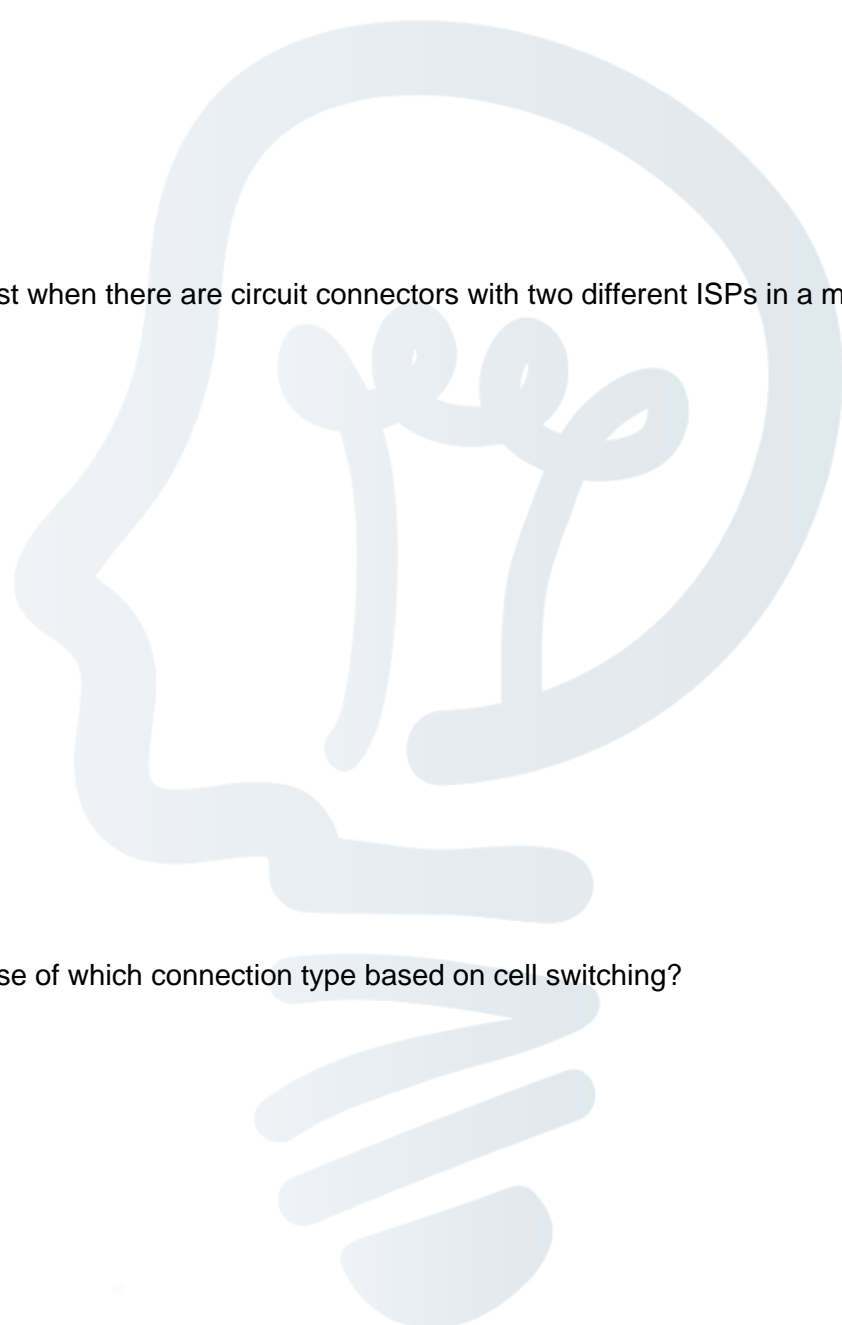
Question 10

Private lines make use of which connection type based on cell switching?

Options:

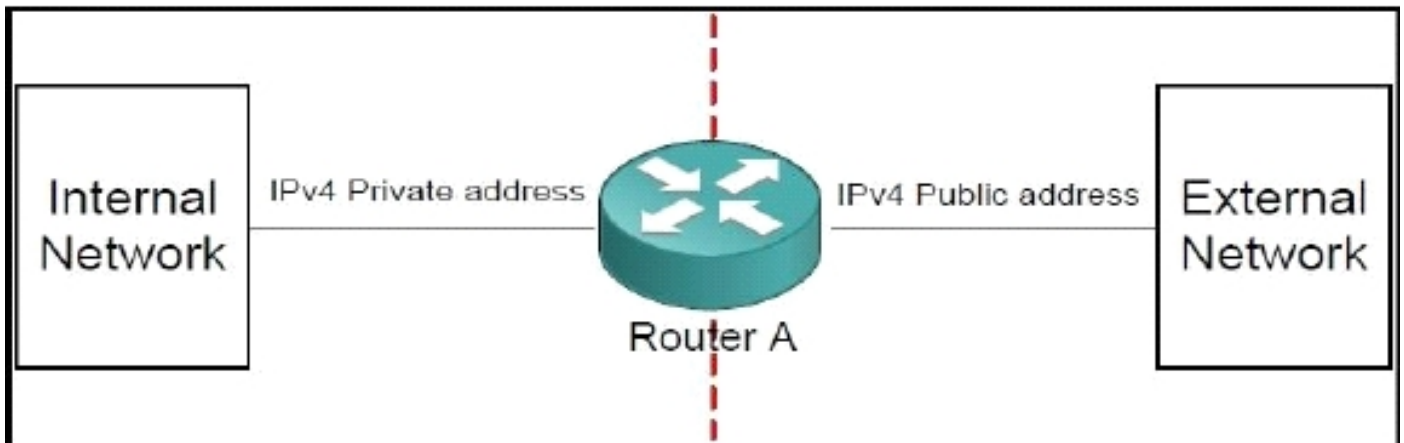
- A. ATM
- B. ISP MPLS VPN
- C. VTI
- D. VPLS

Answer: A



Question 11

Refer to the exhibit.



Which functionality must be enabled on router A to connect two networks for translating private addresses into "legal" public addresses on a one-for-one basis?

Options:

- A. PAT
- B. NAT
- C. VLAN
- D. GARP
- E. PPP

Answer: B

Question 12

Which technology fulfils these requirements?

Unlike a connection that must support a range of Traci voice video and data. This traffic must also support transmission via a fixed blank 53-byte cell.

Options:

- A. PPP
- B. Frame Relay
- C. ATM

D. MPLS

E. X.25

Answer: C

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