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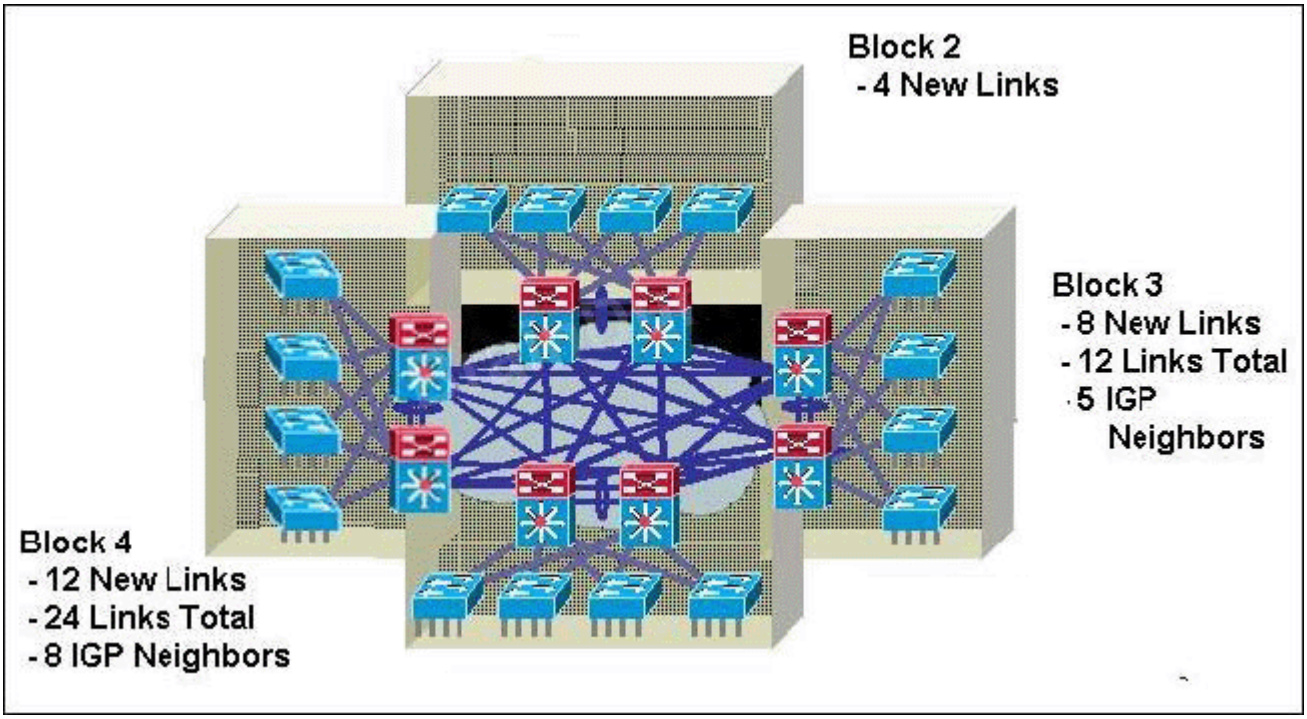
Exam : **642-874**

Title : Designing Cisco Network Service Architectures

Version : DEMO

1.Refer to the exhibit.



Which recommended practice is applicable?
A. If no core layer is deployed, the design will be easier to scale.
B. A dedicated campus core layer should be deployed for connecting three or more buildings.
C. If no core layer is deployed, the distribution switches should not be fully meshed.
D. A dedicated campus core layer is not needed for connecting fewer than five buildings.
Answer: B

2.When a router has to make a rate transition from LAN to WAN, what type of congestion needs should be considered in the network design?
A. RX-queue deferred
B. TX-queue deferred
C. RX-queue saturation
D. TX-queue saturation
E. RX-queue starvation
F. TX-queue starvation
Answer: F

3.To which switch or switches should you provide redundant links in order to achieve high availability with reliable fast convergence in the enterprise campus?
A. to a core switch running Cisco NSF and SSO from redundant distribution switches connected with a Layer 2 link
B. to a core switch running Cisco NSF and SSO from redundant distribution switches connected with a Layer 3 link
C. to two core switches from redundant distribution switches connected with a Layer 2 link
D. to two core switches from redundant distribution switches connected with a Layer 3 link

E. to two core switches running Cisco NSF and SSO from two redundant distribution switches running Cisco NSF and SSO
Answer: D

4.Which of these statements is correct regarding Stateful Switchover and Cisco Nonstop Forwarding?
A. Utilizing Cisco NSF in Layer 2 environments can reduce outages to one to three seconds.
B. Utilizing SSO in Layer 3 environments can reduce outages to one to three seconds.
C. Distribution switches are single points of failure causing outages for the end devices.
D. Utilizing Cisco NSF and SSO in a Layer 2 environment can reduce outages to less than one second.
E. NSF and SSO with redundant supervisors have the most impact on outages at the access layer.
Answer: E

5.When is a first-hop redundancy protocol needed in the distribution layer?
A. when the design implements Layer 2 between the access and distribution blocks
B. when multiple vendor devices need to be supported
C. when preempt tuning of the default gateway is needed
D. when a robust method of backing up the default gateway is needed
E. when the design implements Layer 2 between the access switch and the distribution blocks
Answer: A