Exam Code: 642-661

Exam Name: BGP

Vendor: CISCO

Version: DEMO

Part: A

2: What are two purposes of the BGP scan-time command? (Choose two.)

A.to tune the BGP process which walks the BGP table and confirms the reachability of next hops

B.to allow faster detection of downed BGP peers

C.to improve BGP convergence time

D.to tune the BGP update interval

E.to decrease the effects of unstable routes by increasing the route suppression time

Correct Answers: A C

3: Which command is used to configure the external, confederation-wide AS number?

A.router(config)#router bgp {as-number}

B.router(config-router)#bgp confederation peers {as-number}

C.router(config-router)#bgp confederation identifier {as-number}

D.router(config-router)#bgp cluster-id {as-number}

E.router(config-router)#neighbor {ip address} remote-as {as-number}

Correct Answers: C

4: When creating iBGP multipaths which three criteria must be met by multiple paths to the same destination? (Choose three.)

A.Router IDs must be the same on all routers.

B.Each destination must have a different next-hop address.

C.The destination AS-number must be different for each destination.

D.Multi-exit discriminator attributes must be the same on all paths.

E.Interior Gateway Protocol distance must be identical on each path.

Correct Answers: B D E

6: Look at the picture.

List the BGP route selection steps in the correct order	
Prefer highest local preference (global within AS)	First
Prefer lowest MED	Second
Prefer routes that the router originated	Third
Prefer lowest origin code	Fourth
Prefer shorter AS paths (only length is compared)	Fifth
Prefer highest weight (local to router)	Sixth

Correct Answers:

List the BGP route selection steps in the correct order

Prefer highest local preference (global within AS)	Prefer highest weight (local to router)
Prefer lowest MED	Prefer highest local preference (global within AS)
Prefer routes that the router originated	Prefer routes that the router originated
Prefer lowest origin code	Prefer shorter AS paths (only length is compared)
Prefer shorter AS paths (only length is compared)	Prefer lowest origin code
Prefer highest weight (local to router)	Prefer lowest MED

7: Which two of these statements about hierarchical route reflectors are correct? (Choose two.)

A.A route reflector can be a client of another route reflector.

B.Each cluster within the hierarchy can only contain one route reflector.

C.The hierarchy can be as deep as needed.

D.A route reflector can have clients in different clusters.

E.Hierarchical route reflectors are set up using three levels (access, distribution, and core layers).

Correct Answers: A C

8: What can cause a single sourced iBGP route not to be selected as the best route?

A.The BGP MED is 0.

B.The BGP next-hop is unreachable.

C.The BGP origin is incomplete.

D.The BGP weight is 0.

E.The BGP local preference is 0.

F.BGP synchronization is disabled.

Correct Answers: B

10: Which two of the following are true regarding the BGP Prefix-Based outbound route filtering feature? (Choose two.)

A.IP multicast routes are not supported.

B.Outbound route filtering is configured only on a per-address family basis.

C.Outbound route filtering can be configured for either iBGP or eBGP sessions.

D.The outbound route filter can be defined in a Prefix list, Distribute list or Access lists.

E.Outbound route filtering is more effective when a distance vector IGP is used.

Correct Answers: A B

11: Which configuration will enable the R1 router in the AS51003 sub-AS (member-AS) as a route reflector with neighbors 10.1.1.1 and 10.2.2.2 as its route-reflector clients?

A.! R1 router bgp 51003 bgp confederation identifier 55111 bgp confederation peers 51001 51002 neighbor 10.1.1.1 remote-as 51003 neighbor 10.2.2.2 remote-as 51003 neighbor 10.1.1.1 route-reflector-client neighbor 10.2.2.2 route-reflector-client

B.! R1 router bgp 51003 bgp confederation identifier 55111 bgp confederation peers 51001 51002 neighbor 10.1.1.1 remote-as 51001 neighbor 10.2.2.2 remote-as 51002 neighbor 10.1.1.1

route-reflector-client neighbor 10.2.2.2 route-reflector-client

C.! R1 router bgp 55111 bgp confederation identifier 51003 neighbor 10.1.1.1 remote-as 51003 neighbor 10.2.2.2 remote-as 51003 neighbor 10.1.1.1 route-reflector-client neighbor 10.2.2.2 route-reflector-client

D.! R1 router bgp 55111 bgp confederation identifier 51003 neighbor 10.1.1.1 remote-as 55111 neighbor 10.2.2.2 remote-as 55111 neighbor 10.1.1.1 route-reflector-client neighbor 10.2.2.2 route-reflector-client

Correct Answers: A

12: Which BGP configuration option is designed to reduce router processing load caused by unstable routes?

A.neighbor {ip-address} maximum-prefix {number}

B.bgp dampening

C.no sync

D.bgp deterministic-med

E.sync

F.bgp scan-time

Correct Answers: B