Exam Code: 642-321

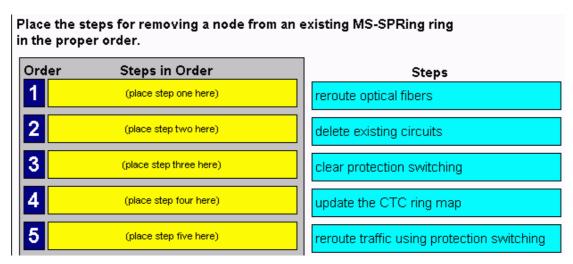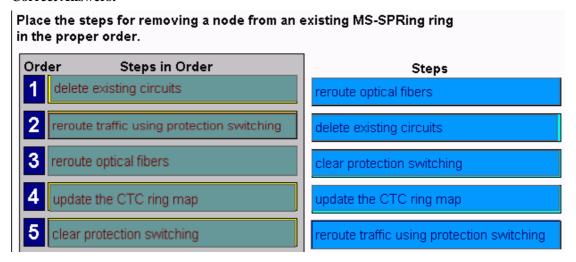**Exam Name:** Optical Cisco Optical SDH Exam (SDH)

Vendor: CISCO

Version: DEMO

Part: A

1: Which timing mode is most appropriate for an ONS 15454 that has lost its BITS-1 and optical references?

A.line timing

B.loop timing

C.internal timing

D.through timing

E.external timing

Correct Answers: C

2: With R4.0, how many total DCC-R tunnel connections can each ONS 15454 support using the TCC+ card?

A.10

B.32

C.64

D.84

E.96

Correct Answers: B

3: What is the difference between 1+1 and 1:1 protection switching?

A.1+1 is based on APS, while 1:1 is based on IPS.

B.1:1 is used in SNCP switching, while 1+1 is used in MS-SPRing switching.

C.1+1 sends signals on Working and Protect paths, while 1:1 sends signals only on Working path.

D.1+1 sends signals on Working path ONLY, while 1:1 sends signals on both Working and Protect paths.

Correct Answers: C

4: You are provisioning an E-1 circuit on an ONS 15454 MS-SPRing configuration and XC-VXL-10G card. Each VC-12 connection must also terminate via the VC-3 matrix. How many VC-3 ports remain after this circuit is created, assuming no other circuits?

A.92

B.93

C.94

D.95

E.96

Correct Answers: C

5: Click the Task button. Place the steps for removing a node from an existing MS-SPRing ring in the proper order.

Place the steps for removing a node from an existing MS-SPRing ring in the proper order.

Order	Steps in Order		Steps
1	(place step one here)		reroute optical fibers
2	(place step two here)		delete existing circuits
3	(place step three here)		clear protection switching
4	(place step four here)		update the CTC ring map
5	(place step five here)		reroute traffic using protection switching

Correct Answers:

Place the steps for removing a node from an existing MS-SPRing ring in the proper order.

Order	Steps in Order		Steps
1	delete existing circuits		reroute optical fibers
2	reroute traffic using protection switching		delete existing circuits
3	reroute optical fibers		clear protection switching
4	update the CTC ring map		update the CTC ring map
5	clear protection switching		reroute traffic using protection switching

6: Click the Exhibit button. In the DCN connection shown in the exhibit, all non-GNE nodes are located on different subnets from the GNE. There are no static routes or external OSPF on any elements. ??CTC workstation and GNE have Router as its default gateway. Can the CTC workstation see the entire SDH network?

A.Yes, but only if the CTC's network address is a static route in the GNE.

B.Yes, because the GNE will only serve as a proxy-ARP for elements on the same subnet.

C.Yes, but only if the router's address is entered as a static route in the non-GNE elements.

D.Yes, because the GNE will serve as a proxy-ARP for all elements, regardless of their subnets.

Correct Answers: A

7: What protocol enables Ethernet over SONET/SDH encapsulation interoperability between the G-series and ML-series Ethernet cards?

A.LEX

B.HDLC

C.GFP-F

D.PPP/BCP

Correct Answers: A

8: What is the correct relative switching priority in an MS-SPRing ring (higher to lower)?

A.signal fail, signal degrade, manual switch

B.signal degrade, signal fail, manual switch

C.protection lockout, manual switch, path AIS

D.forced switch, manual switch, signal degrade

E.protection lockout, manual switch, forced switch

Correct Answers: A

10: A customer has 2 E1s to add between far-end nodes in an SNCP ring. What type of circuit should you recommend?

A.LO-PATH circuits

B.HO-PATH circuits

C.1:1 protection circuits

D.1:N protection circuits

E.LO-TUNNEL tunnel circuits

Correct Answers: A