

Exam Code: 642-311

Exam Name: Optical Cisco Optical SONET Exam
(SONET)

Vendor: CISCO

Version: DEMO

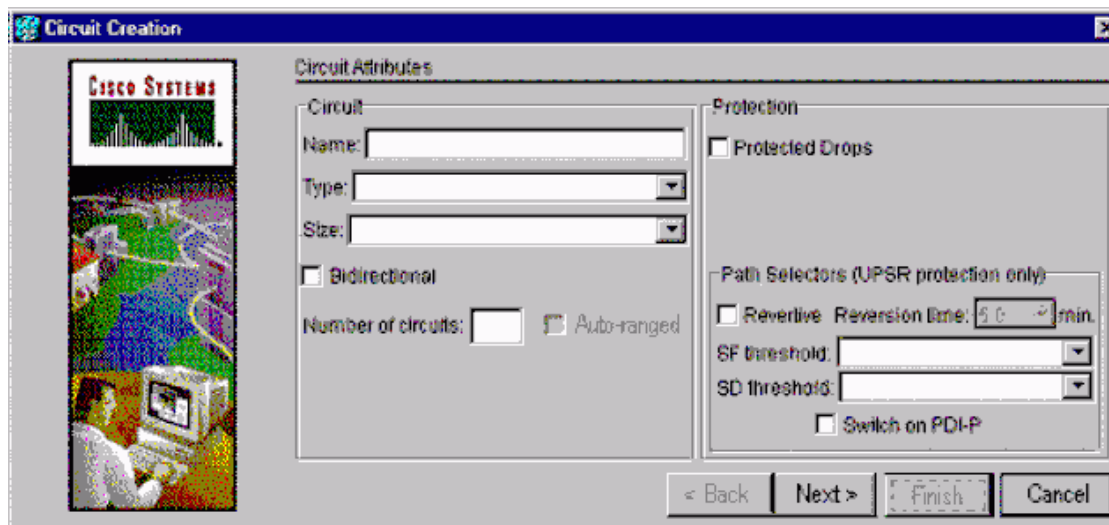
Part: A

1: You are installing a Cisco ONS 15454 in a service provider site. A DS3 cable is to be connected to a digital cross-connect system. What is the maximum distance allowed between the two?

- A.225 ft
- B.450 ft
- C.655 ft
- D.900 ft

Correct Answers: B

2: Click the Exhibit button. Within an ONS 15454, you are provisioning a circuit on an unprotected UPSR ring. In the exhibit, which two must you configure? (Choose two.)



- A.revertive
- B.circuit type
- C.circuit size
- D.bidirectional
- E.protected drops
- F.switch on PDI-P

Correct Answers: B C

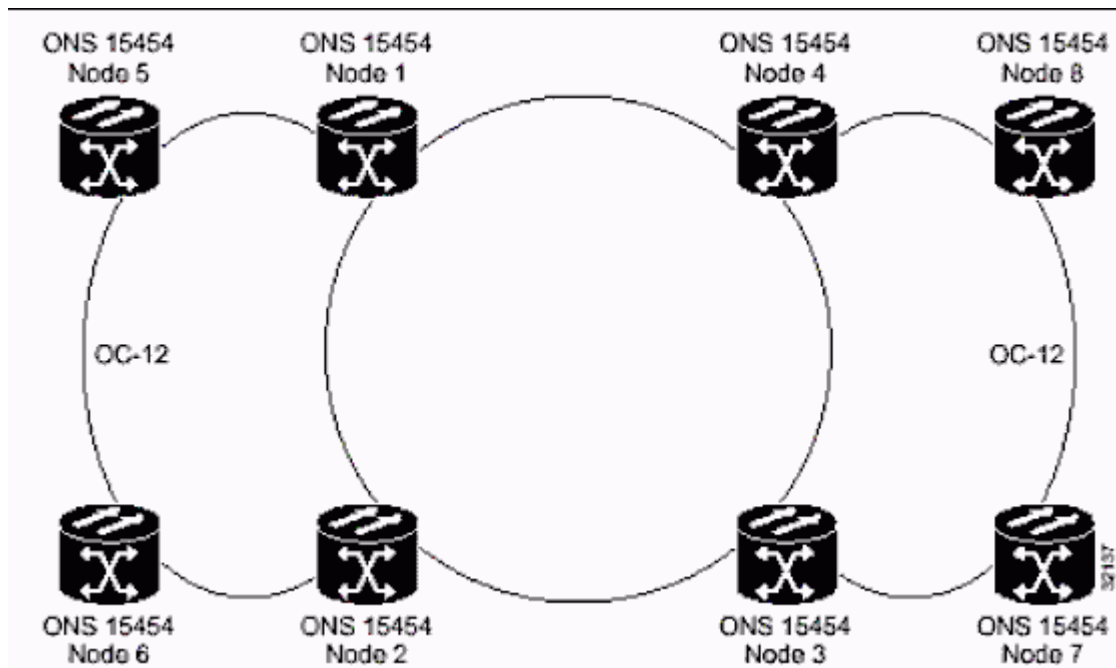
3: With R4.0, how many total DCC tunnel connections can each ONS 15454 support using the TCC+ card?

- A.10
- B.32
- C.64
- D.84
- E.96

Correct Answers: B

4: Click the Exhibit button. A customer has several interconnected core rings (see exhibit). They want to create several irtual rings?utilizing their OC-192 backbone (nodes 1,2,3,4). What should

you recommend?



- A.PPMN with BLSR rings
- B.PPMN with UPSR rings
- C.1:N protection on all core circuits
- D.multi-ring interconnect with BLSR rings

Correct Answers: B

5: Which three timing modes are supported on the ONS 15454 shelf? (Choose three.)

- A.line timing
- B.loop timing
- C.internal timing
- D.through timing
- E.external timing

Correct Answers: A C E

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 Cisco Router as their default gateway. Can the CTC workstation see the entire SONET network?

- A.Yes, but only if OSPF is enabled around the ring.
- 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: Drag Drop question

Place the steps for removing a node from an existing BLSR 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 BLSR ring in the proper order.

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

9: What are two characteristics of dual-ring interconnect in SONET networks? (Choose two.)

- A.It protects signals against node failures between rings.
- B.It protects signals against node failure within a single ring.
- C.It allows for traffic to be preempted when a ring switch occurs.
- D.Traffic can be dropped and continued at interconnecting nodes.
- E.It protects preemptible traffic from being dropped when a ring switch occurs.

Correct Answers: A D

10: Why is an OC-3 2F-BLSR not feasible?

- A.Switch times would exceed 50 ms for an OC-3 BLSR ring.
- B.An equal amount of working and protect bandwidth is required.
- C.DCC bandwidth is not large enough to handle K1/K2 processing.
- D.There is not enough bandwidth in an OC-3 ring to justify BLSR protection.

Correct Answers: B