

Exam Code: 350-020

Exam Name: CCIE SP Optical Qualification Exam

Vendor: CISCO

Version: DEMO

Part: A

1: What IE is not mandatory in a Q.931 Service msg?

- A.Bearer capability
- B.Channel ID
- C.Message Type
- D.Change Status
- E.Call Reference

Correct Answers: A

2: The purpose of Administrative Distance, as used by Cisco routers, is:

- A.To choose between routes from different routing protocols when receiving updates for the same network
- B.To identify which routing protocol forwarded the update
- C.To define the distance to the destination used in deciding the best path
- D.To be used only for administrative purposes

Correct Answers: A

3: What is the maximum PMD value of a 100km fiber segment if the cable is specified with 0.5ps/km ? (worst case)?

- A.0.005ps
- B..05ps
- C.5ps
- D.50ps
- E.500ps

Correct Answers: C

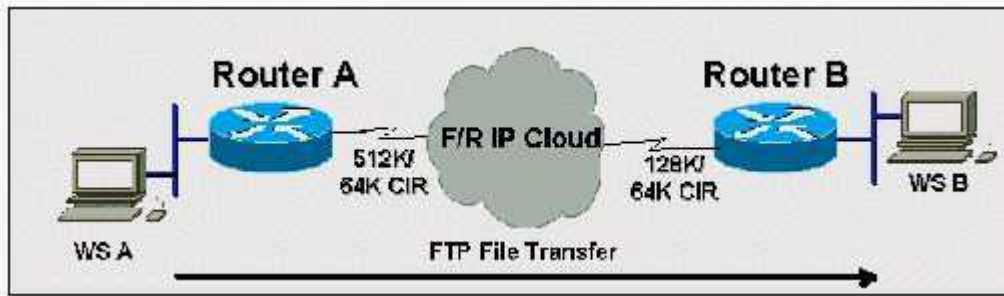
4: What is the equivalent of 50 GHz spacing in DWDM in terms of nm?

- A.1.6 nm
- B.0.8 nm
- C.0.4 nm
- D.0.2 nm

Correct Answers: C

5: Click the Exhibit to view the topology.

Router A has a 512K-access port into the frame relay cloud. Router B has 128K-access port into the frame relay cloud. The two routers are connected with symmetrical PVCs that are configured for 64K committed information rate (CIR). What Frame Relay Traffic Shaping map-class sub-command should be entered on Router A to prevent workstation A from overrunning the access port on Router B?



- A.frame-relay traffic-rate 128000 512000
- B.frame-relay traffic-rate 64000 512000
- C.frame-relay traffic-rate 512000 64000
- D.frame-relay traffic-rate 128000 64000
- E.frame-relay traffic-rate 64000 128000

Correct Answers: E

6: If a host sends a TCP segment with the RST flag set, it means:

- A.The receiver should send all data in the reassembly buffer to the application receiving it immediately.
- B.The receiver should reset the session.
- C.Any routers between the source and destination hosts should reset the state of the connection in their buffers.
- D.The receiver should make certain its send buffer is pushed onto the wire.

Correct Answers: B

7: How many E1 channels can STM-1 frame transport?

- A.7
- B.21
- C.63
- D.84

Correct Answers: C

8: BGP can implement a policy of 'Route Dampening' to control route instability. What statement about route dampening is NOT correct?

- A.A numeric penalty is applied to a route each time it flaps.
- B.The penalty is exponentially decayed according to parameters, such as half-life-time.
- C.The history of unstable routes is forwarded back to the sender to control future updates.
- D.The route is eventually suppressed based on a configurable 'suppress limit'.

Correct Answers: C

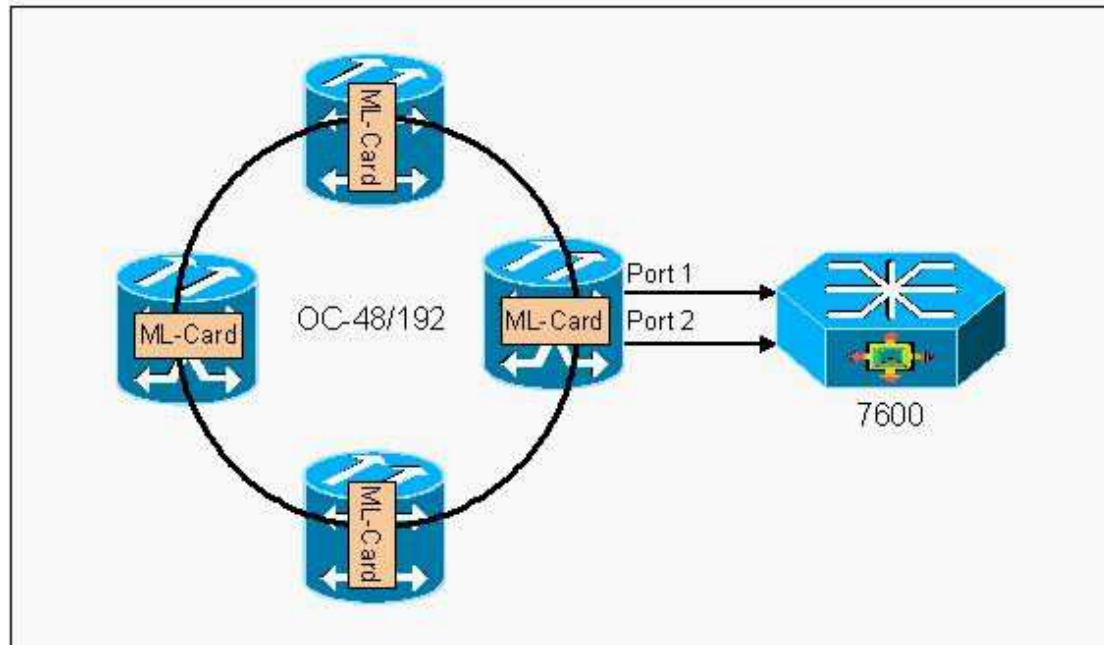
9: MPLS traffic engineering data is carried by:

- A.Opaque LSAs or IS-IS TLVs
- B.BGP MEDs
- C.RTP or RTCP packets
- D.MBGP

Correct Answers: A

10: Click the Exhibit button.

In the diagram, if a resilient packet ring (RPR) is built between ML-series cards, ____ restoration exists on the ring, while the redundant connections to the 7609 rely on ____ protection.



- A.50 ms, STP
- B.STP, STP
- C.STP, 1+1 APS
- D.50ms, 50ms

Correct Answers: A

11: How many E-1s can be aggregated (maximum) and mapped into a VC-12 Signal?

- A.1
- B.7
- C.14
- D.28
- E.32

Correct Answers: A

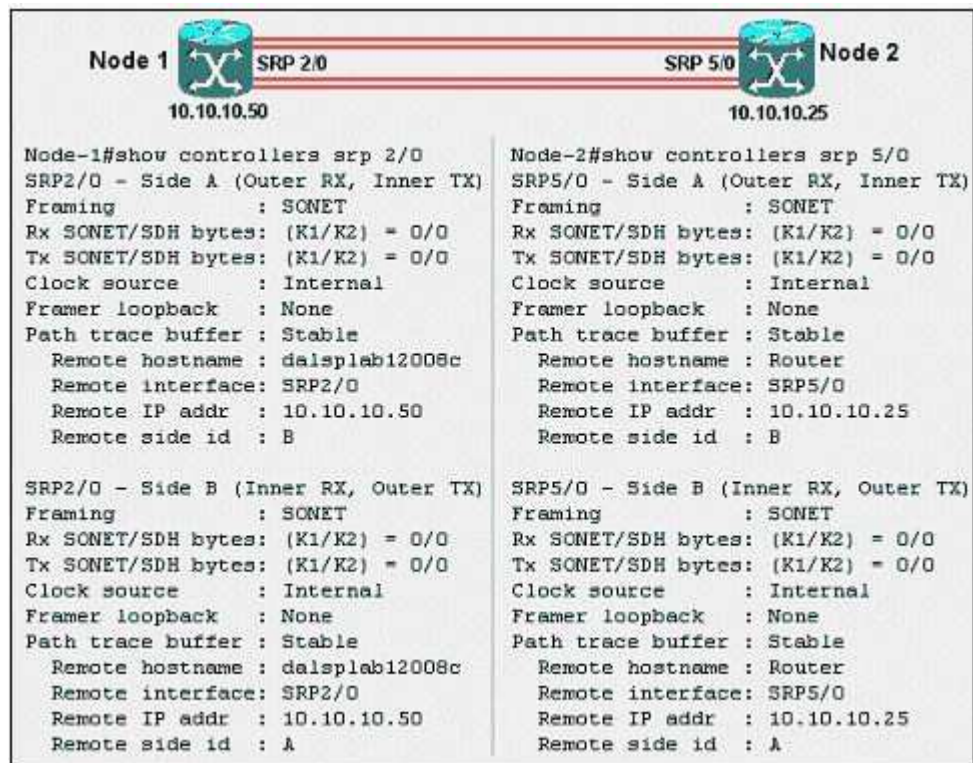
12: What is Fast EtherChannel?

- A.A feature to bundle multiple Ethernet point-to-point links quickly into one logical high speed link
- B.A feature to bundle multiple Fast-Ethernet point-to-point links into one logical high speed link
- C.Another name for full-duplex Fast Ethernet
- D.Another name for Gigabit Ethernet
- E.None of the above

Correct Answers: B

13: Click the Exhibit button.

A customer has improperly installed a 2-node OC-12 SRP ring using dark fiber. Based on the printout from each node shown in the exhibit, what is the problem?

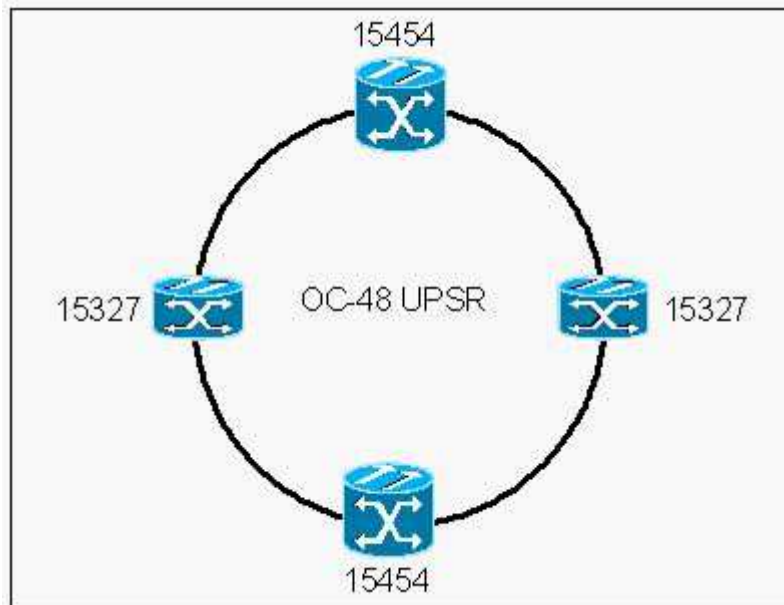


- A. Misconfigured timing
- B. Single faulty span or fiber between nodes
- C. A-B side SRP interfaces are fiber-looped on each node
- D. A-B side TX-TX and RX-RX fibers connected between nodes
- E. A-A and B-B side SRP interfaces connected between nodes

Correct Answers: C

14: Click the Exhibit button.

Which are the two possible circuit sizes for an E-series shared packet ring in the network shown in the exhibit?



- A.STS-1
- B.STS-3c
- C.STS-6c
- D.STS-9c
- E.STS-12c

Correct Answers: A B

15: Click the Exhibit button to view the configuration.

Upon deleting an IOS image file from flash, an execution of show flash shows the file still in flash, with a 'D' preceding it (as shown in the exhibit). What step must be taken in order to remove the file completely?

```

stillab-8510>sh bootflash
-#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1  .. unknown 9DA13DA5 3576AC 31 3241516 Aug 22 1998 08:34:22 cat8510c-in
2  .D unknown 8CDE134F 453BA3 22 2494584 Jul 20 1997 09:33:02 cat8510b-in

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- A.Erase the file from flash
- B.Format the flash device
- C.Replace the flash card - it is defective
- D.Execute a squeeze command on the flash device

Correct Answers: D