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Vendor:Cisco

Exam Code:650-756

Exam Name:Advanced IP NGN Architecture Field
Engineer (PANGNFE)

Version:Demo

QUESTION 1

What are the two main advantages of IP NGN networks for service providers? (Choose two.)

- A. simplified management of one converged network, as opposed to multiple management systems for multiple networks
- B. diversification of network infrastructure, where every service is provided over independent and separately managed networks
- C. reduced expenditures
- D. reduced flexibility

Correct Answer: AC

QUESTION 2

What is the reason that OEO conversion is used?

- A. Traffic analysis is easier with electrical signals, so OEO is introduced at every data communication junction point to conduct government oversight of traffic and potential corporate espionage.
- B. OEO increases available fan-out and is used to increase the number of possible connections in access layer.
- C. There are data rate benefits of electrical signals to prevent congestion on conversion points.
- D. Historically, only short-reach wavelengths have been used between devices inside the POP environment and not DWDM wavelengths directly.

Correct Answer: D

QUESTION 3

What are the two modes in which Cisco ONS XPonder can work? (Choose two.)

- A. Layer 2 switch
- B. pass-through
- C. transponder
- D. ring
- E. Layer 3 router

Correct Answer: AC

QUESTION 4

What is the purpose of the IP NGN access layer?

- A. It terminates subscriber access lines.
- B. It provides fast switching capability.
- C. It handles VPN access.
- D. It aggregates subscriber access.

Correct Answer: A

QUESTION 5

What is the benefit of cloud services for users?

- A. The distribution of storage systems.
- B. The irrelevance of physical location and configuration of underlying systems.
- C. Data access is protected by strong encryption algorithms and unauthorized access is prevented by centralized authentication systems.
- D. It is specially tailored for mobile users.

Correct Answer: A

QUESTION 6

What is the relation between CRS-1 and CRS-3?

CRS-1 is a one-slot, high-performance core router, while CRS-3 is a three-slot PE router.

- A. CRS-3 is the continuation of the CRS series, fully compatible with all line card components, RPs, and fabric. The only advantage is larger throughput of fabric and line cards.
- B. CRS-3 is the next generation of the CRS series, designed for 100GE performance. While using the same operating system, the components are not interchangeable due higher demands of the third generation of the CRS.
- C. CRS-3 is the continuation of the CRS series, extending the number of line cards by a factor of three.
- D. It is possible to build multishelf systems that are three times larger, with throughput that is also three times larger.

Correct Answer: A

QUESTION 7

What is the benefit of Metro Ethernet switches for service providers, compared to Catalyst switches?

- A. PoE

- B. port security
- C. MPLS support
- D. 802.1Q

Correct Answer: C

QUESTION 8

True or false: The intelligence of the network must be moved out from the core.

- A. True, because there are many core devices and keeping them will reduce costs.
- B. False, because core devices must be the fastest and support the most features.
- C. True, because core devices must be as fast as possible, even at the expense of features.
- D. False, because this would violate the basic concepts of IP NGN network structure.

Correct Answer: C

QUESTION 9

Which of the following platforms does not fit in the core?

- A. Cisco ASR 9000 Series Router
- B. Cisco CRS-1 Router
- C. Cisco CRS-2 Router
- D. Cisco CRS-3 Router

Correct Answer: C

QUESTION 10

Which of the following is a nonlinear impairment?

- A. phase modulation distortion
- B. chromatic dispersion
- C. four-wave mixing
- D. signal-to-noise ratio

Correct Answer: C

QUESTION 11

As a part of Cisco Technical Services and Support, which three of the following are included in Cisco Assurance Services for IP NGN networks? (Choose three.)

- A. effective event selection, correlation, and description
- B. training resources allocation to teach and prepare the service provider staff
- C. patterned delivery model of the determined services
- D. advanced insurance model for the Cisco IP NGN equipment
- E. advanced SLA with regard to the agreed services and support levels

Correct Answer: ACE

QUESTION 12

Match the correct equipment series on the left to the correct layer on the right.

Select and Place:

#	CRS-1, CRS-3	1.	Edge layer
#	ASR 1000, ASR 9000, 7600 Series	2.	Core layer
#	ASR 9000, 7600 Series, ME 3800X, ASR 903	3.	Aggregation layer
#	ONS 15454, CPT Series	4.	Optical infrastructure layer
#	Catalyst switches, Metro Ethernet switches	5.	Access layer
#	Cisco ISR Series routers	6.	Customer premises

Correct Answer:

# 2.	CRS-1, CRS-3	Edge layer
# 3.	ASR 1000, ASR 9000, 7600 Series	Core layer
# 5.	ASR 9000, 7600 Series, ME 3800X, ASR 903	Aggregation layer
# 4.	ONS 15454, CPT Series	Optical infrastructure layer
# 1.	Catalyst switches, Metro Ethernet switches	Access layer
# 6.	Cisco ISR Series routers	Customer premises

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