Vendor: Cisco

Exam Code:500-205

Exam Name:SP Optical Technology Systems Engineer Representative

Version: Demo

QUESTION 1

Which two technologies are combined for erbium-doped Raman amplification? (Choose two.)

A. erbium-doped fiber amplification

B. dispersion amplification

C. Raman amplification

D. coherent amplification

Correct Answer: AC

QUESTION 2

What are 12 CXP ports used for on the NCS 4016 fabric card?

A. 100 Gigabit Ethernet clients

B. multichassis configurations

C. DWDM wavelengths

D. chassis management

Correct Answer: B

QUESTION 3

Which three options are chassis variations of the NCS 4000 family? (Choose three.)

A. NCS 4016

B. NCS 4006

C. NCS 4009

D. NCS 4001

E. NCS 4022

F. NCS 5016

Correct Answer: ACD

QUESTION 4

Which type of forward error correction does the 200G WDM line card for the NCS 2000 use to achieve maximum distance?

A. hard-decision FEC

B. generic FEC

C. quadrature amplitude FEC

D. soft-decision FEC

Correct Answer: D

QUESTION 5

Into which category of packet networking does the Cisco NCS 4000 Series fit?

A. aggregation

B. edge

C. access

D. core

Correct Answer: A

QUESTION 6

Which three options are types of OTN line cards for the NCS 4000? (Choose three.)

A. 2-port 100G

B. 5-port 40G

C. 20-port 10G

D. 24-port low speed

E. 40-port 10G

F. 4-port 100G

Correct Answer: ACD

QUESTION 7

In addition to encryption, which other operation does the 10G Wire Speed Encryption line card perform?

A. OTN switching

B. DWDM transponding

C. SONET/SDH switching

D. dispersion compensation

Correct Answer: B

QUESTION 8

Which wavelength characteristic eliminates physical port dependency for colorless add/drop?

A. bit rate

B. direction

C. protocol

D. frequency

Correct Answer: D

QUESTION 9

Which type of redundancy configuration can fabric cards be configured in on the NCS 4016 and 4009 platforms?

A. 2+2

B. 3+1

C. no redundancy

D. multichassis

Correct Answer: B

QUESTION 10

A. 6

B. 8

C. 10

D. 7

Correct Answer: B

QUESTION 11

Which three characteristics define a touchless ROADM? (Choose three.)

A. colorless

B. fixed grid

C. omnidirectional or directionless

D. contentionless

E. multidegree

F. two-degree

Correct Answer: ACD

QUESTION 12

Which technology allows optical transport management to gain visibility into an IP-over- DWDM interface residing in a router?

A. GMPLS-UNI

B. TL1

C. virtual transponder

D. network functions virtualization

Correct Answer:

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