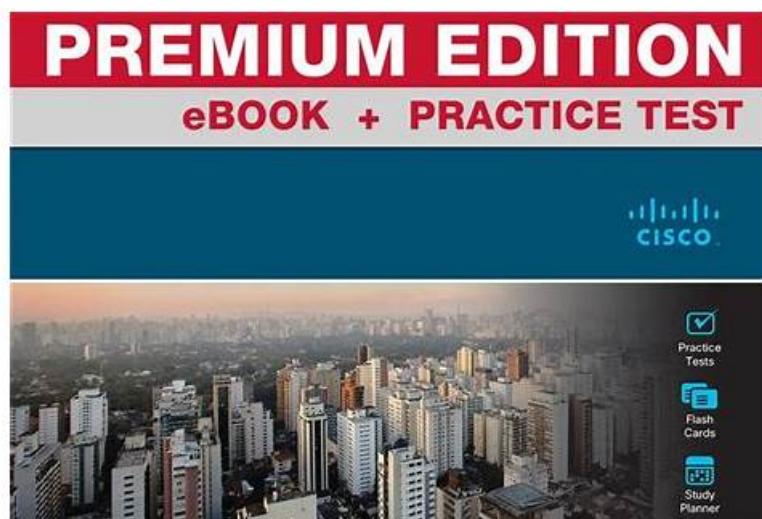


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Cisco Certified Design Expert (CCDE v3.0) Written Exam Sample Questions (Q26-Q31):

NEW QUESTION # 26

What best describes the difference between Automation and Orchestration?

- A. Automation refers to an automatic process for completing multiple tasks with conditions and Orchestration refers to executing tasks in parallel.
- B. Automation describes a hands-off configuration process while Orchestration refers to sets of automation tasks that require the network administrator to coordinate
- C. Automation refers to scripting languages (Python, Ansible etc.) and Orchestration refers to commercial products that control configuration deployment
- **D. Automation refers to an automatic process for completing a single task and Orchestration refers to assembling and coordinating a set of tasks and conditions.**

Answer: D

NEW QUESTION # 27

Refer to the table.

CONNECTIVITY	CAPEX	OPEX ANNUAL	INSTALLATION FEE	TERM
DWDM over dark fiber	\$250,000	\$100,000	\$30,000	60 months
CWDM over dark fiber	\$150,000	\$100,000	\$25,000	60 months
MPLS	\$50,000	\$150,000	\$75,000	12 months
Metro Ethernet	\$45,000	\$125,000	\$5,000	36 months

A customer investigates connectivity options for a DCI between two production data centers. The solution must provide dual 10G connections between locations with no single points of failure for Day 1 operations. It must also include an option to scale for up to 20 resilient connections in the second year to accommodate isolated SAN over IP and isolated, dedicated replication IP circuits. All connectivity methods are duplex 10 Gbps. Which transport technology costs the least over two years, in the scenario?

- A. MPLS
- B. CWDM
- C. Metro Ethernet
- **D. DWDM**

Answer: D

NEW QUESTION # 28

A customer is migrating from a traditional Layer 2 data center to a VXLAN spine-leaf SDN architecture.

Applications cannot be readdressed, and migration must occur incrementally. How should the legacy and new networks be connected?

- A. via Layer 3 links to border leaf switches
- B. via a Layer 2 trunk and Layer 3 routed links to spine switches
- C. via a Layer 2 trunk and Layer 3 routed links to border leaf switches
- **D. via a Layer 2 trunk to border leaf switches**

Answer: D

Explanation:

#Explanation:

* D: A Layer 2 trunk to the border leaf allows seamless VLAN extension between the legacy Layer 2 domain and the VXLAN-based fabric. This supports application migration without readdressing.

Border leaf switches are used to bridge the traditional and VXLAN segments while maintaining MAC learning and VLAN consistency.

Incorrect Options:

* A & B: Layer 3 links alone would require readdressing or routing, violating the constraint.

* C: Spine switches typically do not handle VLAN bridging or policy enforcement directly.

NEW QUESTION # 29

What is a web-based model in which a third-party provider hosts applications that are available to customers over the Internet?

- A. SaaS
- B. PaaS
- C. IaaS
- D. WaaS

Answer: A

Explanation:

* B (Software as a Service - SaaS): SaaS provides end users with complete applications hosted and managed by third-party providers, accessed via web interfaces.

Other options explained:

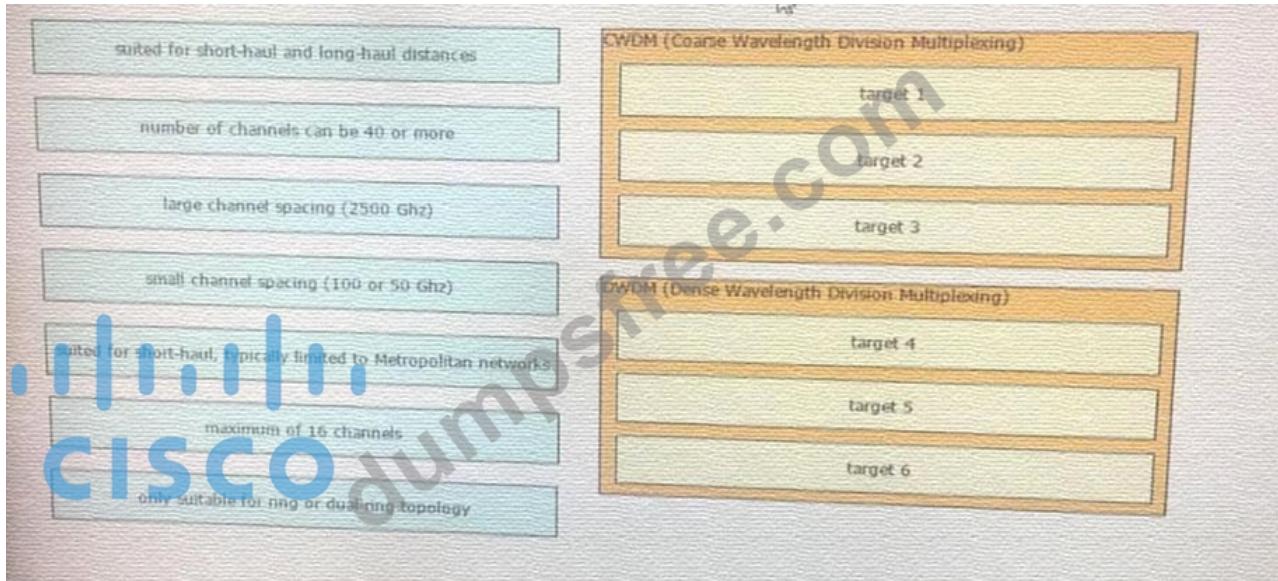
* A: PaaS provides platforms for application development, not complete applications.

* C: IaaS provides compute/storage resources but not full applications.

* D: WaaS (Workspace as a Service) is a niche model, not generally used as standard SaaS definition.

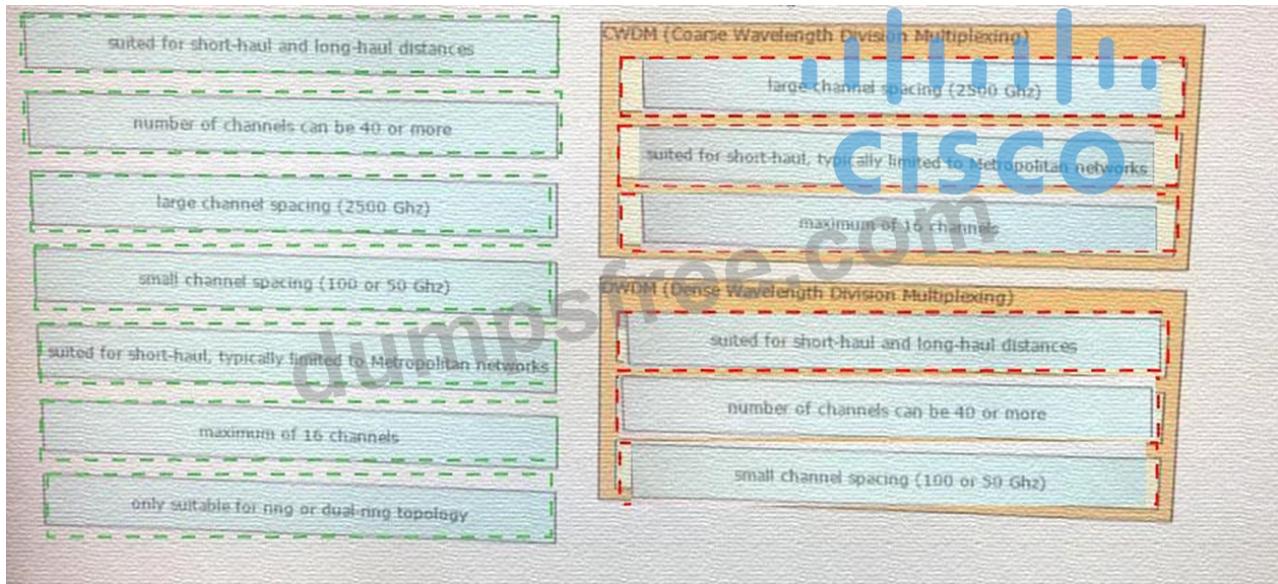
NEW QUESTION # 30

Drag and drop the optical technology design characteristics on the left to the correct optical technologies on the right. Not all options are used



Answer:

Explanation:



Explanation:

- 1 - target 4
- 2 - target 5
- 3 - target 1
- 4 - target 6
- 5 - target 2
- 6 - target 3

NEW QUESTION # 31

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