



Free Cisco 400-007 CCDE Practice Questions

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Question 1

Question Type: MultipleChoice

As organizations rush to implement AI, many fail to address its ethical considerations. Not examining those issues puts an organization at risk of legal violations, loss of customer trust and long-term reputational damage. Which two ethical standards are required in preventing such pitfalls? (Choose two.)

Options:

- A- data privacy
- B- algorithmic transparency
- C- AI maturity
- D- data silos process automation

Answer:

A, B

Question 2

Question Type: MultipleChoice

If the desire is to connect virtual network functions together to accommodate different types of network service connectivity, what must be deployed?

Options:

- A- bridging
- B- service chaining
- C- linking
- D- daisy chaining
- E- switching

Answer:

B

Explanation:

Service chaining is the technique of connecting virtual network functions together to provide different types of network service connectivity. Service chaining uses software-defined networking (SDN) programmability to create a chain of connected network services, such as firewalls, load balancers, NAT, and intrusion protection. Service chaining can automate the provisioning of network applications that have different characteristics and requirements, such as security, latency, or quality of service (QoS). Service chaining can also optimize the use of network resources and improve application performance by using SDN analytics and performance tools to select the best available network paths and avoid network congestion. Service chaining is being used in many SDN and network functions virtualization (NFV) use cases and deployments, such as data centers, carrier networks, and virtual customer edge. ¹²³.Reference:

1: [What is Network Service Chaining or Service Function Chaining - SDxCentral](#)

2: [On service chaining using Virtual Network Functions in Network-enabled Cloud systems | IEEE Conference Publication | IEEE Xplore](#)

3: [Service function chaining - Gini5](#)

Question 3

Question Type: MultipleChoice

Which effect of using ingress filtering to prevent spoofed addresses on a network design is true?

Options:

- A- It reduces the effectiveness of DDoS attacks when associated with DSCP remarking to Scavenger.
- B- It protects the network Infrastructure against spoofed DDoS attacks.
- C- It Classifies bogon traffic and remarks it with DSCP bulk.
- D- It filters RFC 1918 IP addresses.

Answer:

B

Question 4

Question Type: MultipleChoice

An enterprise has identified these causes for inefficient CAPEX spending:

CAPEX planning is driven by technology and not by business objectives.

The CAPEX planning team lacks the data it needs to perform due diligence tasks.

The organizational structure lacks sufficient accountability and incentives.

Which corporate cultural change contributes to improving the effectiveness of CAPEX spending?

Options:

- A- Build a financial control function that delivers high-quality reports on operational expenses for business insight and financial reporting.
- B- CxO-level staff must have a full technical understanding but the should not trust their technical leaders fully.
- C- Adopt new organizational models that promote real accountability for ROI. not just revenue. EBITDA, and cash.
- D- Marketing and product management divisions must reduce their CAPEX budgets significantly to drive the change.

Answer:

A

Question 5

Question Type: MultipleChoice

Which protocol does an SD-Access wireless Access Point use for its fabric data plane?

Options:

- A- GRE
- B- MPLS
- C- VXLAN
- D- LISP
- E- CAPWAP

Answer:

C

Question 6

Question Type: MultipleChoice

A company requires an RPO of less than 10 seconds to ensure business continuity. Which technology should be deployed?

Options:

- A- geographically dispersed data centers with asynchronous replication
- B- a single data center with duplicated infrastructure, dual PSUs, and a UPS
- C- geographically dispersed data centers with synchronous replication
- D- a single data center with duplicated infrastructure and dual PSUs

Answer:

C

Question 7

Question Type: MultipleChoice

Company XYZ wants to prevent switch loops caused by unidirectional point-point-link condition on Rapid FVST + and MST. Which technology can be used in the design to meet this requirement?

Options:

- A- STPBPDU guard
- B- STP bridge assurance
- C- MSTP
- D- TRILL

Answer:

B

Question 8

Question Type: MultipleChoice

Network changes because of mergers, acquisitions, and divestment can be very disruptive to the network if not carried out carefully. When an organization sells parts of its business, it must detach the affected parts of the network from the rest of the network. Which network design approach is appropriate to minimize the impact and risks as the divested parts of the network are detached?

Options:

- A- redundant design
- B- modular design
- C- less complex design
- D- routed access design

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Answer:

B

Question 9

Question Type: MultipleChoice

It is often seen that companies pick a cloud vendor solely based on technical preferences without putting enough weight on the business strategies that are driving the cloud initiatives. Which strategic requirement may come into play where it is more likely that the decision makers will look to leverage IaaS over SaaS or PaaS?

Options:

- A- selling products and services globally 24/7
- B- integration with partner or vendor supply chains
- C- control over the underlying infrastructure
- D- speed-to-market is more important for an initiative

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Answer:

C

Question 10

Question Type: MultipleChoice

An existing wireless network was designed to support data traffic only. You must now install context Aware services for location tracking changes must be applied to the existing wireless network to increase the location accuracy? (Chose two)

Options:

- A- Add access points along the perimeter of the coverage area.
- B- Increase the access point density to create an average inter-access point distance of less than 40 feet or 12.2 meters
- C- Use directional antennas to provide more cell overlapping
- D- Install additional access points in monitor mode where the co-channel interference would otherwise be affected
- E- Fine tune the radio configuration of the access point to have a higher average transmission power to achieve better coverage

Answer:

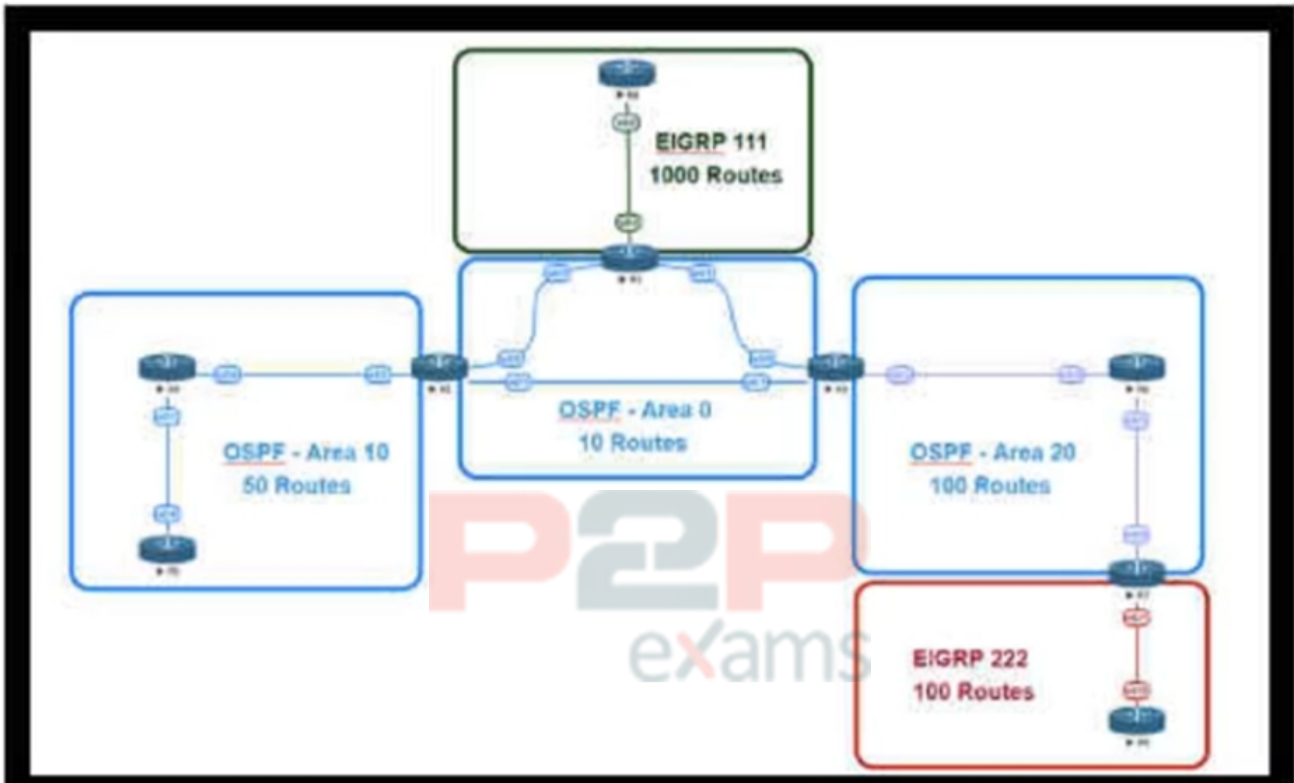
B, E

Question 11

Question Type: MultipleChoice

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This network is running OSPF and EIGRP as the routing protocols. Mutual redistribution of the routing protocols has been configured on the appropriate ASBRs. The OSPF network must be designed so that flapping routes in EIGRP domains do not affect the SPF runs within OSPF. The design solution must not affect the way EIGRP routes are propagated into the EIGRP domains. Which technique accomplishes the requirement?

Options:

- A- route summarization the ASBR interfaces facing the OSPF domain
- B- route summarization on the appropriate ASBRs.
- C- route summarization on the appropriate ABRS.
- D- route summarization on EIDRP routers connecting toward the ASBR

Answer:

B

Question 12

Question Type: MultipleChoice

Traditionally, infrastructure is not managed using code, but instead it is managed and provisioned manually which can cause potential issues. On the other side, infrastructure as code brings several advantages. What is a benefit of infrastructure as code?

Options:

- A- declarative pipelines
- B- configuration drift
- C- agent monitoring
- D- repeatable deployments

Answer:

D



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