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We strongly recommend using our Cisco 100-150 exam dumps to prepare for the Cisco 100-150 certification. It is the best way to ensure success. With our Cisco Certified Support Technician (CCST) Networking (100-150) practice questions, you can get the most out of your studying and maximize your chances of passing your Cisco Certified Support Technician (CCST) Networking (100-150) exam.

Cisco 100-150 Exam Syllabus Topics:

Topic	Details
Topic 1	Standards and Concepts: Covers foundational networking models, terminology, network types, cloud service models, and common application-layer protocols.
Topic 2	Endpoints and Media Types: Covers physical cabling types, wireless and wired transmission technologies, endpoint device categories, and OS-level network configuration across multiple platforms.
Topic 3	Diagnosing Problems: Covers structured troubleshooting approaches, packet capture with Wireshark, common diagnostic commands, remote access methods, and basic Cisco show commands.
Topic 4	Infrastructure: Covers hands-on identification of Cisco hardware, physical cabling in network setups, port types, and the basic concepts behind routing and switching.

- Addressing and Subnet Formats: Covers the distinction between public and private IP addressing, IPv4 subnetting, and IPv6 address and prefix formats.

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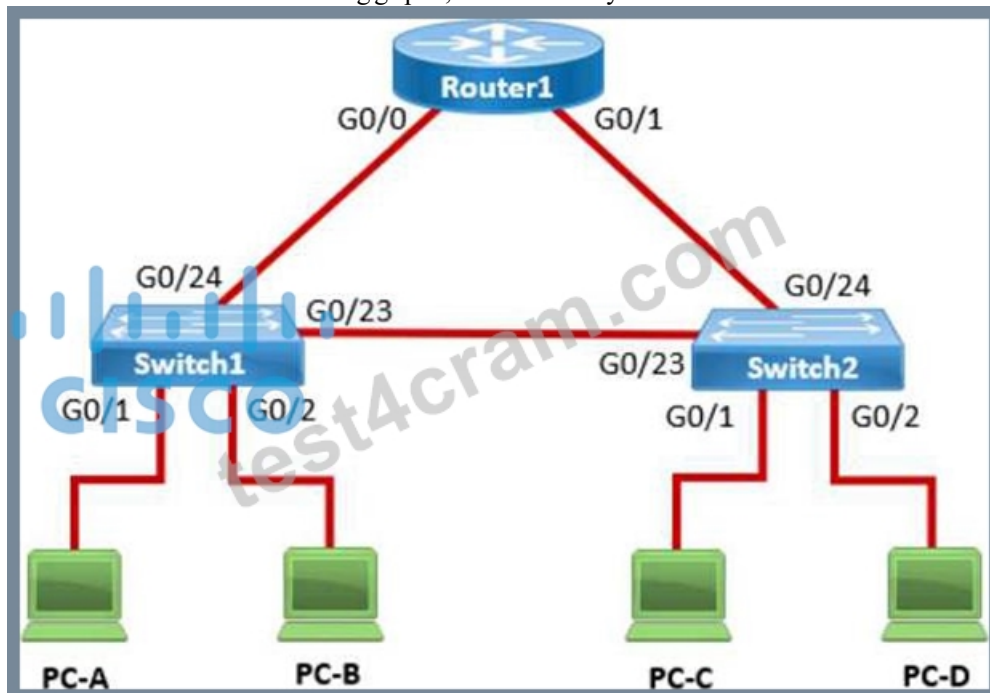
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Our company has been engaged in compiling professional 100-150 exam quiz in this field for more than ten years. Our large amount of investment for annual research and development fuels the invention of the latest 100-150 study materials, solutions and new technologies so we can better serve our customers and enter new markets. We invent, engineer and deliver the best 100-150 Guide questions that drive business value, create social value and improve the lives of our customers.

Cisco Certified Support Technician (CCST) Networking Sample Questions (Q31-Q36):

NEW QUESTION # 31

In the network shown in the following graphic, Switch1 is a Layer 2 switch.



PC-A sends a frame to PC-C. Switch1 does not have a mapping entry for the MAC address of PC-C. Which action does Switch1 take?

- A. Switch1 sends an ARP request to obtain the MAC address of PC-
- B. Switch1 queries Switch2 for the MAC address of PC-C.
- C. Switch1 floods the frame out all active ports except port G0/1.
- **D. Switch1 drops the frame and sends an error message back to PC-**

Answer: D

Explanation:

In a network, when a Layer 2 switch (like Switch1) receives a frame destined for a MAC address that is not in its MAC address table, it performs a flooding operation. This means the switch will send the frame out of all ports except the port on which the frame was received. This flooding ensures that if the destination device is connected to one of the other ports, it will receive the frame and respond, allowing the switch to learn its MAC address.

A). Switch1 queries Switch2 for the MAC address of PC-C: This does not happen in Layer 2 switches; they do not query other switches for MAC addresses.

A). Switch1 drops the frame and sends an error message back to PC-A: This is not the default behavior for unknown unicast frames.

D). Switch1 sends an ARP request to obtain the MAC address of PC-C: ARP is used by devices to map IP addresses to MAC addresses, not by switches to find unknown MAC addresses.

Thus, the correct answer is

B). Switch1 floods the frame out all active ports except port G0/1.

Reference: =

Cisco Layer 2 Switching Overview

Switching Mechanisms (Cisco)

NEW QUESTION # 32

Which statement best describes confidentiality with regards to network security?

- A. Ensures data is available for access by providing redundant systems.
- B. Ensures data is trusted and has not been tampered with or changed.
- C. Ensures data is kept secret using safeguards to prevent unauthorized access.
- D. Ensures data is not changed during transit between systems.

Answer: C

Explanation:

Confidentiality means protecting information from unauthorized disclosure. It focuses on keeping data secret so only approved users or systems can access it.

NEW QUESTION # 33

You need to connect a computer's network adapter to a switch using a 1000BASE-T cable.

Which connector should you use?

- A. RJ-45
- B. Coax
- C. RJ-11
- D. OS2 LC

Answer: A

Explanation:

1000BASE-T runs over twisted-pair copper and uses the standard RJ-45 connector.

NEW QUESTION # 34

Move each cloud computing service model from the list on the left to the correct example on the right Note: You will receive partial credit for each correct answer.

Cloud Computing Service Models	Examples
IaaS	Three virtual machines are connected by a virtual network in the cloud. Model
PaaS	Users access a web-based graphics design application in the cloud for a monthly fee. Model
SaaS	A company develops applications using cloud-based resources and tools. Model

Answer:

Explanation:



Explanation:

- * Three virtual machines are connected by a virtual network in the cloud.
- * Model: IaaS (Infrastructure as a Service)
- * Explanation: IaaS provides virtualized computing resources over the internet, including virtual machines, storage, and networks.
- * Users access a web-based graphics design application in the cloud for a monthly fee.
- * Model: SaaS (Software as a Service)
- * Explanation: SaaS delivers software applications over the internet, typically on a subscription basis, accessible via a web browser.
- * A company develops applications using cloud-based resources and tools.
- * Model: PaaS (Platform as a Service)
- * Explanation: PaaS provides a platform allowing customers to develop, run, and manage applications without dealing with the infrastructure.
- * IaaS (Infrastructure as a Service): Provides virtualized hardware resources that customers can use to build their own computing environments.
- * PaaS (Platform as a Service): Offers a platform with tools and services to develop, test, and deploy applications.
- * SaaS (Software as a Service): Delivers fully functional applications over the internet that users can access and use without managing the underlying infrastructure.

References:

- * Cloud Service Models: Understanding IaaS, PaaS, SaaS
- * NIST Definition of Cloud Computing: NIST Cloud Computing

NEW QUESTION # 35

Move each network type from the list on the left to the correct example on the right.

Answer:

Explanation:

- * Two home office computers are connected to a switch by Ethernet cables.
- * Network Type: LAN (Local Area Network)
- * Explanation: A LAN connects devices within a limited area such as a home, office, or building, using Ethernet cables or Wi-Fi.
- * Three government buildings in the same city connect to a cable company over coaxial cables.
- * Network Type: MAN (Metropolitan Area Network)
- * Explanation: A MAN connects networks across a city or campus, often using fiber optic or coaxial cables.
- * A cell phone connects to a Bluetooth headset.
- * Network Type: PAN (Personal Area Network)
- * Explanation: A PAN connects devices within a personal workspace, typically using wireless technologies like Bluetooth.
- * A financial institution connects its branches through a telecommunications service provider.
- * Network Type: WAN (Wide Area Network)
- * Explanation: A WAN connects multiple LANs over long distances, often using leased lines or satellite links provided by telecommunications companies.
- * LAN (Local Area Network): Used for connecting devices within a small geographical area such as a single building or home.
- * MAN (Metropolitan Area Network): Covers a larger geographical area than a LAN, typically a city or campus.
- * PAN (Personal Area Network): Connects devices within the range of an individual person, such as connecting a phone to a Bluetooth headset.
- * WAN (Wide Area Network): Spans large geographical areas, connecting multiple LANs across cities, countries, or continents.

References:

- * Network Types Overview: Cisco Networking Basics
- * Understanding Different Network Types: Network Types Guide

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