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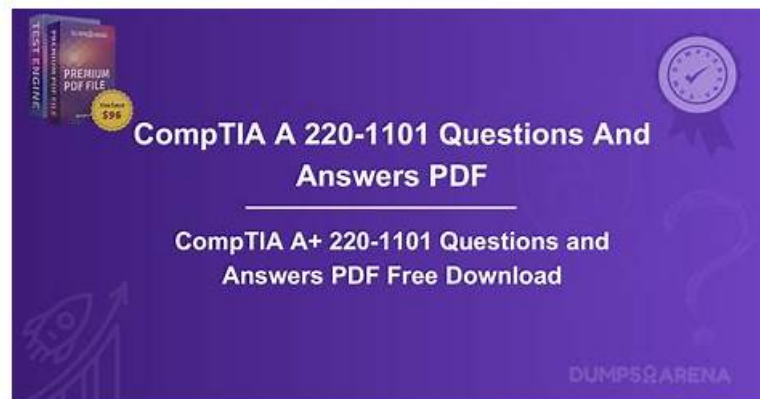
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CompTIA A+ Certification Exam: Core 1 is a computer-based exam that consists of 90 multiple-choice and performance-based questions. 220-1101 exam duration is 90 minutes, and the passing score is 675 out of 900. 220-1101 exam is available in English, Japanese, Portuguese, Spanish, German, and Thai languages. 220-1101 Exam Fee is $232, and candidates can register for the exam on the CompTIA website or Pearson VUE testing centers.

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CompTIA 220-1101, also known as the CompTIA A+ Certification Exam: Core 1, is the first of two exams required to earn the CompTIA A+ certification. 220-1101 exam is designed to measure the skills and knowledge necessary to install, configure, and troubleshoot hardware and software for personal computers and mobile devices. 220-1101 Exam covers a wide range of topics, including hardware, networking, mobile devices, cloud computing, and security.

CompTIA A+ Certification Exam: Core 1 Sample Questions (Q592-Q597):

NEW QUESTION # 592
Which of the following is most likely used to control door access?

- A. VPN
- B. RFID
- C. DMCA
- D. DRM

Answer: B

Explanation:
RFID stands for Radio Frequency Identification, and it is a technology that uses electromagnetic fields to identify and track objects that have RFID tags attached to them. RFID tags are small devices that store information and can be read by RFID readers. RFID is most likely used to control door access because it allows for contactless and convenient authentication of authorized personnel. For example, an employee can use an RFID card or key fob to unlock a door by holding it near an RFID reader installed on the door. The reader will scan the tag and verify its ID number with the access control system, which will grant or deny access based on the predefined rules and permissions. RFID is a common and widely used type of door access control system, as it offers security, efficiency, and flexibility.

NEW QUESTION # 593
A technician is installing a power supply in a workstation that contains a high-end graphics card, a 3GHz processor, and two cooling fans. Which of the following specifications should the technician verify before installing the new power supply?

- A. The cables' color coding
- B. The motherboard's firmware
- C. The wattage
- D. The chassis ventilation

Answer: C

Explanation:
The most important specification that the technician should verify before installing the new power supply is A: The wattage.
The wattage of a power supply is the measure of how much power it can deliver to the components of a computer. The wattage of a power supply should match or exceed the total power consumption of the computer, otherwise the computer may not function properly or may experience instability, overheating, or damage12.
To calculate the total power consumption of a computer, the technician can use a tool such as a power supply calculator, which can estimate the required wattage based on the components and features of the computer.
For example, using one of the web search results3, I entered the following information:
*CPU: 3 GHz processor
*GPU: High-end graphics card
*RAM: 16 GB DDR4
*SSD: 1 x 500 GB
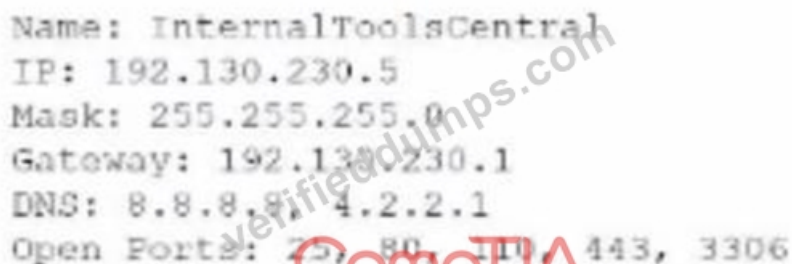*HDD: 1 x 1 TB
*Optical Drive: 1 x DVD-RW
*Fans: 2 x 120 mm
*Other Devices: Keyboard, Mouse, Monitor
The tool estimated that the recommended PSU wattage for this computer is 550 W. Therefore, the technician should verify that the new power supply has at least this wattage before installing it.
The chassis ventilation, the motherboard's firmware, and the cables' color coding are not as important as the wattage for installing a new power supply. The chassis ventilation is related to the airflow and cooling of the computer, which can affect the performance and lifespan of the components. The motherboard's firmware is the software that controls the basic functions of the motherboard, such as booting, input/output, and memory management. The cables' color coding is a standard way of identifying the function and polarity of the wires in a power supply. However, none of these specifications are directly related to the power delivery or compatibility of the new power supply.

NEW QUESTION # 594
Some users are unable to access resources on the file server. A technician reviews the server network information and finds the following settings:

Which of the following is the most likely explanation?

- A. The route was removed from the border router.
- B. The server lost power during a recent storm and did not resume operation.
- C. Server gateway settings are incorrect.
- D. Applicable ports have been closed during routine hardening.

Answer: C

Explanation:
Given the network information for the server "InternalToolCentral" with an IP address of "192.130.230.5" and a subnet mask of "255.255.255.0", the gateway address should be within the same network range. However, the gateway address is listed as "192.130.230.1", which is correct and within the same subnet. Therefore, the issue is not with the gateway settings. The DNS servers are listed as "8.8.8.8" and "4.2.2.1", which are public DNS servers and should be able to resolve domain names correctly if they are reachable. The open ports listed include 25 (SMTP), 80 (HTTP), 110 (POP3), 443 (HTTPS), and 3306 (MySQL), which are standard ports for their respective services. Considering the provided options and the network settings, the most likely explanation for users being unable to access resources on the file server is: A. Applicable ports have been closed during routine hardening. This could prevent users from connecting to the necessary services on the file server.

NEW QUESTION # 595
Following a scheduled power outage, users report they cannot access the local intranet. A technician is able to ping the IP address of the server that is hosting the website. Which of the following servers is MOST likely offline?

- A. File
- B. Web
- C. DHCP
- D. DNS

Answer: D

Explanation:
DNS stands for Domain Name System and is a service that translates domain names (such as www.example.com) into IP addresses (such as 192.168.1.100) that computers can use to communicate over a network. If the DNS server is offline, users may not be able to access websites or other network resources by using their domain names, even if they are online and reachable by their IP addresses. The technician should check if the DNS server is running and configured correctly, or use an alternative DNS server if possible.

NEW QUESTION # 596
Which of the following network devices would an administrator use to distribute traffic evenly throughout multiple nodes?

- A. Proxy server
- B. Bridge
- C. Switch
- D. Load balancer
- E. Firewall

Answer: D

Explanation:
Explanation
A load balancer is a network device that distributes network or application traffic across multiple servers to ensure that no single server bears too much of the load. Load balancing helps to improve application availability, increase scalability, and optimize resource utilization.
A bridge is used to connect two different networks, often to divide a larger network into smaller segments. A proxy server is used to forward client requests to other servers, and can also be used to cache frequently requested data. A switch is used to connect multiple devices within a network and to control the flow of network traffic. A firewall is used to secure a network by controlling incoming and outgoing traffic based on defined security rules.
Reference: CompTIA A+ Core 1 Exam Guide, page 244.

NEW QUESTION # 597

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