

New 100-140 Exam Test & 100-140 Valid Exam Guide

MATH 140 First Exam Practice Test

Problem 1. What is the domain of the function $f(x) = \frac{1}{\sqrt{8-x^2}}$?

A. $0 < x < \sqrt{8}$
 B. $x > \sqrt{8}$ or $x < -\sqrt{8}$
 C. $-\sqrt{8} < x < \sqrt{8}$
 D. $-\sqrt{8} < x < 0$
 E. All x but $\pm\sqrt{8}$

Problem 2. If $\lim_{x \rightarrow 0} f(x) = -2$ and f is continuous at $x = 0$, we can say that $\lim_{x \rightarrow 5} f(|x - 5|) + 1$ is

A. -4
 B. 0
 C. 3
 D. -1
 E. insufficient information; cannot be determined

Problem 3. What is $\lim_{t \rightarrow 0^+} \frac{t - |t|}{t + |t|}$?

A. 0
 B. 1/2
 C. $+\infty$
 D. 1
 E. does not exist

Problem 4. Let C be a constant and $f(x) = \begin{cases} Cx^2 & x \geq 0 \\ -Cx^2 & x < 0. \end{cases}$ If the second derivative $f''(0)$ exists, then C must be

A. 1
 B. -1
 C. 1/2
 D. -1/2
 E. 0

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Cisco 100-140 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Job Roles: This section evaluates an IT Support Technician's ability to use remote access tools (such as Remote Desktop, Cisco Webex, and TeamViewer) to assist users and perform support activities. It also includes utilizing troubleshooting tools and resources, such as AI research, search engines, technical forums, and knowledge bases, while being aware of ethical, privacy, and security considerations related to AI and other technologies.

Topic 2	<ul style="list-style-type: none"> • Connectivity and Resource Access Issues: This section measures skills of a Network Support Technician and involves assisting users to establish access to network resources, understanding directory services like Active Directory and cloud access management platforms, and managing multifactor authentication. It also includes troubleshooting connectivity problems with peripherals such as printers, scanners, and teleconferencing devices, as well as verifying basic network settings and diagnosing connectivity using various network commands and tools.
Topic 3	<ul style="list-style-type: none"> • Operating System and Application Issues: This part targets an Operating System Support Specialist and addresses resolving Windows and macOS issues, such as display settings, updates, permissions, power management, and data backup using cloud tools. It covers troubleshooting mobile device problems on iOS and Android operating systems and provides an understanding of virtualization and cloud concepts including major providers and virtual machines. This section also covers resolving common application issues like installation and security concerns.
Topic 4	<ul style="list-style-type: none"> • IT Support Job Tasks and Responsibilities: This section of the exam measures skills of an IT Support Specialist and covers foundational help desk concepts such as queue and time management, ticketing systems, service level agreements (SLA), and key performance indicators (KPIs). It includes preparing clear and comprehensive documentation summarizing customer interactions and describes the problem-solving process involving defining issues, collecting information, analyzing causes, implementing solutions, and recording results.

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Cisco Certified Support Technician (CCST) IT Support Sample Questions (Q602-Q607):

NEW QUESTION # 602

A user cannot install a new app because they receive an error about insufficient storage. What is the best recommendation?

- A. Update the device's operating system
- **B. Uninstall unused apps and delete unnecessary files**
- C. Clear the cache of the mobile device
- D. Restart the mobile device

Answer: B

Explanation:

Correct Answer. B. Uninstall unused apps and delete unnecessary files Freeing up space by removing unused applications and deleting files like old photos, videos, and documents is the most direct way to resolve storage issues that prevent new app installations.

Option A is incorrect as clearing the cache might free up some space, but it may not be sufficient for installing new apps.

Option C is incorrect as restarting the device does not free up a significant amount of storage.

Option D is incorrect because updating the operating system generally requires additional storage and would not solve an existing storage shortage.

NEW QUESTION # 603

An employee is approached by a competitor at a conference who asks detailed questions about the company's upcoming proprietary products.

How should the employee respond?

- **A. Politely decline to discuss any specifics about proprietary products**
- B. Provide misleading information to protect company secrets
- C. Agree to discuss more in a less public setting
- D. Share the information to foster industry relationships

Answer: A

Explanation:

Correct Answer. B. Politely decline to discuss any specifics about proprietary products Declining to discuss proprietary information protects the company's interests and adheres to confidentiality policies without engaging in unethical practices.

Option A is incorrect because sharing proprietary information can lead to competitive disadvantage and breaches of confidentiality

Option C is incorrect as providing false information can create further complications and is unethical Option D is incorrect because even in private, sharing proprietary information without authorization is against company policy

NEW QUESTION # 604

A user is attempting to use a Micro USB cable to transfer data from their digital camera to a computer, but the transfer rate is slower than expected. What should the IT support technician check first to address the issue?

- **A. Verify that the Micro USB cable is a USB 3.0 compatible cable**
- B. Ensure the digital camera supports data transfers via Micro USB
- C. Check if the Micro USB cable is securely connected
- D. Confirm that the computer's USB port is functional

Answer: A

Explanation:

Correct Answer. A. Verify that the Micro USB cable is a USB 3.0 compatible cable Micro USB cables can vary significantly in data transfer capabilities. A USB 3.0 compatible Micro USB cable offers faster data transfer rates compared to its USB 2.0 counterpart. Verifying that the cable is USB 3.0 compatible could resolve the issue of slower transfer rates.

Option B is incorrect because the question already implies that the digital camera supports data transfer via Micro USB.

Option C is incorrect because while a functional USB port is necessary, the slower transfer rate suggests a limitation with the cable's capabilities rather than the port's functionality.

Option D is incorrect because although ensuring a secure connection is important, it typically results in connection or no connection rather than a slower transfer rate.

NEW QUESTION # 605

A user cannot access their video conferencing meetings through the mobile app, receiving an error that the server is unreachable. What should be the user's first course of action?

- A. Disable the device's firewall settings
- B. Reset the router to improve network connectivity
- **C. Ensure the app is updated to the latest version**
- D. Change their login credentials

Answer: C

Explanation:

Correct Answer. B. Ensure the app is updated to the latest version Updating the app to the latest version can resolve issues related to connectivity and compatibility, especially if the error indicates problems reaching the server.

Option A is incorrect because while resetting the router can solve general connectivity issues, it does not specifically address problems with app functionality.

Option C is incorrect as changing login credentials is unlikely to affect server connectivity issues unless the account is specifically being blocked.

Option D is incorrect because disabling firewall settings is a security risk and generally does not solve specific app connectivity problems unless the firewall is known to block the app.

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