**IT Essentials (Version 5.0) - ITE Practice Final**

Below is the feedback on items for which you did not receive full credit. Some interactive items may not display your response.

Subscore:

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| 2 | | | Top of Form   |  |  | | --- | --- | | When a dual core CPU with Hyper-Threading features is installed on a motherboard, how many instructions can the CPU simultaneously process? | | | **Correct** **Response** | **Your** **Response** | |  | 2 | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | 4 | |  | 6 | |  | 8 | | With Hyper-Threading, two pieces of code can be processed simultaneously by a single core. | |   Bottom of Form |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | |  | | --- | | This item references content from the following areas:  IT Essentials   * 1.1.2 Internal PC Components | | |
| 3 | | Top of Form   |  |  | | --- | --- | | Which factor should be considered when selecting cooling fans for a PC case? | | | **Correct** **Response** | **Your** **Response** | |  | the type of CPU that is installed | |  | the current BIOS version | |  | the amount of installed RAM | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | the number of installed adapter cards | | Additional hardware components create additional heat. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 1.3.1 Specialized Computer Systems | | |
| 15 | | Top of Form   |  |  | | --- | --- | | Which two actions must be performed before installing RAM into a laptop? (Choose two.) | | | **Correct** **Response** | **Your** **Response** | |  | Use thermal compound to attach the memory to the motherboard. | |  | Before installing the RAM, update the saved CMOS settings to the newly configured amount of RAM. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | Remove the battery. | |  | Disconnect the display from the bottom of the laptop. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | Disconnect AC power. | |  | Remove the memory module retaining clips from the slots where the new RAM will insert. | | Before doing any repairs or installations inside a laptop, remove the battery and disconnect AC power. The display does not have to be disconnected for a RAM upgrade. The memory module retaining clips are not removed during the installation process. Most computers automatically recognize the installed or increased amount of RAM. If an adjustment in BIOS needs to be done, it is after the installation process. Thermal compound is used to attach a heat sink to a CPU. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 7.5.1 Expansion Options | | |
| 16 | | Top of Form   |  |  | | --- | --- | | Which statement correctly describes the cancellation effect? | | | **Correct** **Response** | **Your** **Response** | |  | Twisted-pair cabling pairs two positively-charged wires or two negatively-charged wires, which doubles the signal strength and cancels noise. | |  | Coaxial cables have a positively-charged end and a negatively-charged end, which cancel each other's magnetic fields. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | The signals in the wires in each twisted-pair circuit generate magnetic fields which cancel each other out. | |  | Fiber optic cables use light-emitting diodes to cancel noise on the cable. | | Interference from magnetic fields created by electricity flowing through a copper wire can slow network communications. The cancellation effect pairs two wires with opposite signals in a circuit, and the magnetic fields cancel each other out. Coaxial cable, while it does use a copper conductor, does not have twisted wires. Fiber media do not use the cancellation effect because they do not use copper wires to transmit signals.? | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 6.4.2 Cables and Connectors | | |
| 17 | | Top of Form   |  |  | | --- | --- | | A technician needs to add a new wireless device to a small WLAN. The WLAN is a mixture of old and newer 802.11b and 802.11g devices. What choice for the new device would provide the most interoperability for present and future growth? | | | **Correct** **Response** | **Your** **Response** | |  | Add a new 802.11a device. | |  | Add a new 802.11b device. | |  | Add a new 802.11g device. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | Add a new 802.11n device. | | 802.11n devices are interoperable with all the other standards, and provide more bandwidth than the other standards. 802.11a is not interoperable with any of the other standards. 802.11b and 802.11g interoperate with each other, but do not provide the bandwidth supplied by 802.11n devices. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 6.6.1 Cabled and Wireless | | |
| 20 | | Top of Form   |  |  | | --- | --- | | What are three common input devices found on laptops? (Choose three.) | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | touchpad | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | fingerprint reader | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | web camera | |  | external monitor | |  | PS/2 keyboard | |  | AC power connector | | Touchpads, fingerprint readers, and web cameras are common devices on modern laptops.  An external monitor is an output device. While a PS/2 keyboard is an input device, it is not commonly used with laptops. An AC power connector provides a method to recharge the battery, but provides no data input to the laptop.? | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 7.1.1 Laptop Components | | |
| 21 | | Top of Form   |  |  | | --- | --- | | Which component uses the greatest amount of power on most mobile devices? | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | LCD screen | |  | camera | |  | CPU | |  | media player | | The LCD screen consumes the most power on most mobile devices. The CPU, camera, and media player use power, but less extensively than the LCD screen does. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 8.2.4 Common Mobile Device Features | | |
| 25 | | Top of Form   |  |  | | --- | --- | | A client has provided a 4 GB SODIMM module to a technician to perform a memory upgrade on a workstation, but the technician is having problems installing it. What is a probable cause for this? | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | The module is incompatible with the workstation. | |  | The workstation requires flash memory. | |  | The workstation requires solid state memory. | |  | The workstation lacks an available slot. | | SODIMM RAM modules are used for laptop computers and are not compatible with workstations. Solid state memory and flash memory are used for other applications. Even if there is an available slot in a workstation, the SODIMM will not fit in it. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 1.1.2 Internal PC Components | | |
| 26 | | Top of Form   |  |  | | --- | --- | | A technician is troubleshooting a 4-year-old computer that takes a long time to boot, and identifies that the BIOS rediscovers all the hardware at every boot. The technician thinks that the CMOS battery is losing the charge. What would be the next step in the troubleshooting process? | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | Test the theory to determine the cause. | |  | Identify the problem. | |  | Establish a theory of probable cause. | |  | Establish a plan of action to resolve the problem. | | The problem has been identified and a theory has been formulated. The next step is to test the theory to determine if it is right or wrong. In this case, checking the battery with a multimeter would test the theory. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 12.1.1 Apply Troubleshooting Process to Computer Components and Peripherals | | |
| 29 | | Top of Form   |  |  | | --- | --- | | A technician is troubleshooting a printer that prints unknown characters instead of the correct document. What are two probable causes for this? (Choose two.) | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | The computer has an incorrect driver installed. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | The printer has a loose data cable. | |  | The paper tray is empty. | |  | The paper is old, and moist from humidity. | |  | The printer service is stopped. |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 9.6.2 Common Problems and Solutions for Printers * 12.5.1 Apply Troubleshooting Process to Printers | | |
| 34 | | Top of Form   |  |  | | --- | --- | | How should a hard drive be partitioned to support a Windows 7 installation over a network? | | | **Correct** **Response** | **Your** **Response** | |  | A FAT16 partition of at least 2 GB must be created. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | A FAT32 partition of at least 5 GB must be created. | |  | An NTFS partition of at least 2 GB must be created. | |  | An NTFS partition of at least 3 GB must be created. | | For a Windows 7 network installation , the target PC must have a bootable partition that is at least 5 GB in and formatted with the FAT 32 file system, and include a network client. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 5.2.2 Custom Installation Options | | |
| 39 | | Top of Form   |  |  | | --- | --- | | What is an accurate description of asymmetric encryption technology? | | | **Correct** **Response** | **Your** **Response** | |  | Asymmetric encryption is an encryption process that compares traffic on both ends to make sure the traffic has not been altered. | |  | It is an encryption process that uses identical keys on both ends to establish the VPN. | |  | It is an encryption protocol that is used to encrypt data as the data is sent over the VPN. | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | It is an encryption process that uses a public and private key pair to encrypt/decrypt data. |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 10.2.4 Security Techniques | | |
| 40 | | Top of Form   |  |  | | --- | --- | | A technician wishes to secure the network authentication for all remote users. Which security technology uses radio communication with a computer before accepting a username and password? | | | **Correct** **Response** | **Your** **Response** | |  | biometrics | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | key fobs | |  | smart digital cards | |  | security dongles |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 10.2.2 Protecting Data | | |
| 41 | | Top of Form   |  |  | | --- | --- | | Which type of security threat can be transferred through email and is used to gain sensitive information by recording the keystrokes of the email recipient? | | | **Correct** **Response** | **Your** **Response** | |  | adware | |  | Trojan | |  | worm | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | virus | |  | grayware | | Adware does not record keystrokes. A worm self-replicates across the network. A Trojan appears to be a legitimate program while carrying malware, and grayware is a general term for software that may be malware. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 10.1.1 Types of Security Threats | | |
| 51 | | Top of Form   |  |  | | --- | --- | | At which TCP/IP model layer would a MAC address be found? | | | **Correct** **Response** | **Your** **Response** | |  | application | |  | transport | |  | internet | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | network access |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | | |  | | --- | | This item references content from the following areas:  IT Essentials   * 6.7.1 Reference Models | | |
| 60 | | Top of Form   |  |  | | --- | --- | | Which two elements should typically be included in a computer security policy? (Choose two.) | | | **Correct** **Response** | **Your** **Response** | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | an acceptable computer usage statement for the organization | | http://assessment.netacad.net/static/rapport/base/images/tick.gif | requirements necessary for data to remain confidential on a network | |  | a list of acceptable user passwords | |  | details of the data file access procedures | |  | technical details of the biometric systems used | | A security policy may contain the rules that user passwords should follow, but details of actual passwords, data access procedures, and technical details of the security systems are usually confidential operational procedures. | |   Bottom of Form | |
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| http://assessment.netacad.net/static/rapport/base/images/spacer.gif | |  | | --- | | This item references content from the following areas:  IT Essentials   * 10.2.1 Security Policies | |