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| **1.** | **A technician has just finished assembling a new computer. When the computer is powered up for the first time, the POST discovers a problem. How does the POST indicate the error?**  *Ein Techniker hat den Computer gerade montiert. Wenn der Computer zum ersten Mal gestartet wird, entdeckt das POST ein Problem. Wie signalisiert das POST den Fehler?* |
| ➀ | It issues a number of short beeps. |
| ➁ | The LED on the front of the computer case flashes a number of times. |
| ➂ | It places an error message in the BIOS. |
| ➃ | It locks the keyboard. |

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| **2.** | **A technician is troubleshooting a PC that will not boot. When the PC is powered on, it emits a series of beeps and indicates that the BIOS settings have changed and need to be reconfigured. The technician reconfigures the BIOS settings, saves them, and the computer boots. Later when the PC is powered off and back on again, the same error message appears, and all the BIOS changes are gone. What should the technician do to fix the problem?**  *Ein Techniker ist bei der Fehlerbeseitigung eines PCs, der nicht starten will. Wenn der PC darauf hin gestartet wird, ertönen eine Reihe von Signaltönen und der Bildschirm zeigt an, dass sich die BIOS Einstellungen geändert haben und wiederkonfiguriert werden müssen. Der Techniker konfiguriert die BIOS Einstellungen wieder, speichert sie, und der Computer startet. Später, wenn der PC neu startet erscheint dieselbe Fehlermeldung, und alle BIOS-Änderungen sind weg. Was sollte der Techniker tun, um das Problem zu beheben?* |
| ➀ | Reseat the RAM. |
| ➁ | Replace the motherboard. |
| ➂ | Replace the CMOS battery. |
| ➃ | Upgrade the BIOS firmware. |

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| **3.** | **What type of connector would be used to supply power to an PATA optical drive?**  *Welcher Stecker wird verwendet würde, um Strom zu einem PATA optischen Laufwerk zu liefern?* |
| ➀ | Berg |
| ➁ | AT |
| ➂ | Molex |
| ➃ | PS/2 |

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| **4.** | **What is the best way to apply thermal compound when reseating a CPU?**  *Welcher ist der beste Weg um eine Thermal Komponente anzuwenden, um die CPU wieder ein zu setzen?* |
| ➀ | Clean the CPU and the base of the heat sink with isopropyl alcohol before applying the thermal compound. |
| ➁ | Formularbeginn  Formularbeginn  Formularbeginn  Formularbeginn  Use rubbing alcohol to clean the base of the heat sink before applying thermal compound. |
| ➂ | Scrape off the old thermal compound on the heat sink with a sharp knife and apply the thermal compound liberally. |
| ➃ | Put a thick layer of thermal compound over the existing thermal compound before reseating . |

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| **5.** | **A technician has assembled a new computer and must now configure the BIOS. At which point must a key be pressed to start the BIOS setup program?**  *Ein Techniker hat einen neuen Computer montiert und muss jetzt das BIOS konfigurieren. An welchem Punkt muss eine Taste gedrückt werden, um das BIOS Einstellungsprogramm zu starten.* |
| ➀ | Formularbeginn  before the computer is powered on. |
| ➁ | during the Windows load process. |
| ➂ | during the POST. |
| ➃ | after the POST, but before Windows starts to load. |

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| **6.** | **What is a function of the BIOS?**  *Was ist die Funktion von BIOS?* |
| ➀ | Formularbeginn  Enables a computer to connect to a network. |
| ➁ | Provides temporary data storage for the CPU. |
| ➂ | Performs a power-on self-test of internal components. |
| ➃ | Provides graphic capabilities for games and applications. |

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| **7.** | **A technician has just finished assembling a new computer. When the computer is powered up for the first time, the POST discovers a video subsystem problem. How does the POST indicate the error?**  *Ein Techniker hat gerade einen neuen Computer montiert. Wenn der Computer zum ersten Mal startet, entdeckt das POST ein Videosubsystem-Problem. Wie signalisiert das POST den Fehler?* |
| ➀ | by issuing a number of beeps |
| ➁ | by flashing the LED on the front of the computer case a number of times |
| ➂ | by placing an error message in the BIOS |
| ➃ | by locking the keyboard |

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| **8.** | **You are monitoring a new technician who is installing a device driver on a Windows-based PC. The technician asks why the company requires the use of signed drivers. What would be the best response to give?**  *Sie kontrollieren einen neuen Techniker, der einen Geräte-Treiber auf einem windows PC installiert. Der Techniker fragt, warum die Gesellschaft den Gebrauch von unterzeichneten Treibern verlangt. Wie würde die beste Antwort sein?* |
| ➀ | Signed drivers prevent physical damage to devices. |
| ➁ | An unsigned driver can cause files to be fragmented as they are prosseced |
| ➂ | A signed driver has passed the lab test of Microsoft for quality and helps prevent a system from being compromised. |
| ➃ | Formularbeginn  All companies making devices for a Windows computer have to have Microsoft sign off on the new driver before it can be added to the operating system. |
| ➄ | Formularbeginn  A signed driver has been approved by the company that created the device driver. |

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| **9.** | **What is an important step when installing a second PATA hard drive in a computer?**  *Was ist ein wichtiger Schritt, eine zweite PATA Festplatte in einem Computer installieren?* |
| ➀ | Set the swap file size on the new drive. |
| ➁ | Set the drive ID number with the correct jumper. |
| ➂ | Configure the BIOS settings to auto-detect the master drive. |
| ➃ | Ensure that pin one of the PATA data cable is correctly aligned with the connector. |

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| **10.** | **What number of disks is the required minimum to implement RAID 0?**  *Welche Zahl von Disketten ist das erforderliche Minimum, um RAID 0 durchzuführen?* |
| ➀ | 1 |
| ➁ | 2 |
| ➂ | 3 |
| ➃ | 4 |

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| **11.** | **A technician is assembling a new computer. Which two components are often easier to install before mounting the motherboard in the case? (Choose two.)**  *Ein Techniker montiert einen neuen Computer. Welche zwei Bestandteile sind leichter vor dem montieren des Mainboards zu installieren? (Wählen Sie zwei)* |
| ➀ | CPU |
| ➁ | memory |
| ➂ | NIC |
| ➃ | Sound card |
| ➄ | Video card |

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| **12.** | **A technician is troubleshooting a computer that has a malfunctioning floppy drive. The technician observes that the floppy drive light remains lit constantly. What should the technician do to repair the problem?**  *Ein Techniker beseitigt einen Fehler bei ein Computer, der ein schlecht funktionierendes Disketten-Laufwerk hat. Der Techniker bemerkt, dass die Disketten-Laufwerk-lampe ständig eingeschaltet bleibt. Was sollte der Techniker tun, um das Problem zu beheben?* |
| ➀ | Remove the floppy drive via Add/Remove Hardware. |
| ➁ | Replace the floppy drive. |
| ➂ | Connect the data cable making sure that the colored stripe on the cable is aligned with pin 1 on the drive and the motherboard. |
| ➃ | Change the jumper setting to *master* for the floppy drive. |

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| **13.** | **A technician is installing additional memory in a computer. How can the technician guarantee that the memory is correctly aligned?**  *Ein Techniker installiert einen zusätzlichen Speicher in einem Computer. Wie kann der Techniker versichern, dass der Speicher richtig ausgerichtet ist?* |
| ➀ | The label on the memory module should always face the CPU. |
| ➁ | A notch in the memory module should be aligned with a notch in the memory slot. |
| ➂ | A notch in the memory module should be aligned with a notch in the memory slot. |
| ➃ | The arrows on the memory module should be aligned with the arrows on the motherboard slot |
| ➄ | Memory slots are color coded, with one end red and one end blue. |

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| **14.** | **What is used to prevent the motherboard from touching metal portions of the computer case?**  *Was wird verwendet, um das Motherboards davon abzuhalten, Metallteile des Computers zu berühren?* |
| ➀ | an I/O shield |
| ➁ | thermal compound |
| ➂ | standoffs |
| ➃ | ZIF sockets |

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| **15.** | **What is an advantage of using signed drivers?**  *Was ist der Vorteil bei signierten Treibern?* |
| ➀ | They are free of errors. |
| ➁ | They never need upgrading. |
| ➂ | They are guaranteed to work with all operating systems. |
| ➃ | They are verified to be compatible with the operating system. |
| ➄ | They are guaranteed by the manufacturer to work with any hardware. |

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| **16.** | **Where is the saved BIOS configuration data stored?**  *Wo sind die BIOS-configurationen gespeichert?* |
| ➀ | RAM |
| ➁ | CMOS |
| ➂ | cache |
| ➃ | Hard drive |

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| **17.** | **Which statement describes the purpose of an I/O connector plate?**  *Welche Behauptung beschreibt den Zweck einer Eingabe/Ausgabe-Stecker-Platte?* |
| ➀ | It makes the I/O ports of the motherboard available for connection in a variety of computer cases |
| ➁ | Formularbeginn  It plugs into the motherboard and expands the number of available slots for adapter cards. |
| ➂ | It provides multiple connections for SATA hard drives to connect to the motherboard. |
| ➃ | Formularbeginn  It connects the PCIe adapter slots used for video directly to the CPU for faster processing. |

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| **18.** | **What are two examples of settings that can be changed in the CMOS settings? (Choose two.)**  *Was sind zwei Beispiele für Einstellungen, die in den CMOS-Einstellungen geändert werden können? (Wählen Sie zwei.)* |
| ➀ | drive partition size |
| ➁ | device drivers |
| ➂ | swap file size |
| ➃ | enabling and disabling devices |
| ➄ | boot order |

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| **19.** | **A technician discovers that the PS/2 mouse port is not working. The technician has several replacement mouse models available. What input port will the technician use to install the replacement mouse?**  *Ein Techniker entdeckt, dass der PS/2 Mausanschluss nicht arbeitet. Der Techniker hat mehrere verfügbare Ersatz-Maus-Modelle. Welchen Eingang wird der Techniker verwenden, um die Ersatz-Maus zu installieren?* |
| ➀ | eSATA |
| ➁ | FireWire |
| ➂ | parallel |
| ➃ | Formularbeginn  USBFormularende |

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| **20.** | **What are three important considerations when installing a CPU on a motherboard? (Choose three.)**  *Was sind die drei wichtigsten Vorsichtsmaßnahmen, um eine CPU auf einem Mainboard zu installieren? (Wählen Sie drei.)* |
| ➀ | Antistatic precautions are taken. |
| ➁ | The CPU is correctly aligned and placed in the socket. |
| ➂ | The CPU contacts are first cleaned with isopropyl alcohol. |
| ➃ | The CMOS EPROM battery is removed prior to installing the CPU. |
| ➄ | Maximum insertion force is applied to the load lever so the CPU is locked in place. |

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| **21.** | **A technician has been asked to install a second optical drive in a computer. The technician will need to configure the drive as slave. How can the technician accomplish this desired configuration?**  *Ein Techniker ist gebeten worden, ein zweites optisches Laufwerk in einem Computer zu installieren. Der Techniker wird das Laufwerk als Sklave konfigurieren müssen. Wie kann der Techniker diese gewünschte Konfiguration vollbringen?* |
| ➀ | Use jumpers on the motherboard to configure the drive as slave. |
| ➁ | List the drive as slave in the CMOS. |
| ➂ | Connect the drive after the twist in the PATA cable. |
| ➃ | Formularbeginn  Use jumpers on the drive to configure the drive as slaveFormularbeginnFormularende |