

## CompTIA A+ 2008 Essentials 220-601 Pop Quiz 1

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The CompTIA A+ pop quiz series is designed to prepare you for both, the CompTIA Essentials exam and one of the three advanced CompTIA A+ certification exams. A score of 80% on the pop quiz indicates that you are well prepared for the actual certification exam. Less than 80% means you need more study time and practice testing. If you fail a quiz or practice test don't just memorize the questions and answers. Study the subject area in which you are having difficulty. For example, if you miss a hard disk drive question, don't simply memorize the correct answer, go back and review information about the hard disk drive. Use the pop quiz as an evaluation of CompTIA A+ subject areas.

Good Luck

1. Which two connection types are used to support an internally connected HDD?  
(Select two.)
  - A. PATA
  - B. USB
  - C. RS232
  - D. SATA
2. Which type of video card would support the highest video frame rate?
  - A. ISA
  - B. PCI
  - C. PCIe
  - D. AGP
3. What is normally applied to the heat sink of a CPU to insure good heat conduction between the heat sink and CPU?
  - A. Coating of oil
  - B. Thermo paste
  - C. Insulation pad
  - D. Antistatic pad
4. POST error codes are controlled by which device?
  - A. BIOS program
  - B. RAM
  - C. The operating system
  - D. The Windows diagnostic program

5. What should you do first before installing an operating system upgrade?
  - A. Format the primary partition.
  - B. Format the entire hard disk drive.
  - C. Make backups of all device drivers.
  - D. Backup all critical files.
  
6. Which wireless technology operates only at 5 GHz?
  - A. 802.11a
  - B. 802.11b
  - C. 802.11g
  - D. 802.11n
  
7. What is the difference between ESD and EMI?
  - A. ESD can cause permanent damage to sensitive computer components while EMI is generally a temporary condition caused by proximity to the source.
  - B. ESD has no harmful effects on computer components while EMI will always severely damage computer components.
  - C. There is no difference between ESD and EMI, they are interchangeable terms for radio wave interference.
  - D. ESD harms computer components and EMI harms electronic components.
  
8. What is the minimum amount of RAM for a Windows XP Home Edition?
  - A. 64 MB
  - B. 128 MB
  - C. 256 MB
  - D. 512 MB
  
9. How many pins are in a PS/2 type keyboard connector?
  - A. 4
  - B. 6
  - C. 9
  - D. 15
  
10. What is the typical storage capacity of a CD?
  - A. 650 kB
  - B. 4.7 kB
  - C. 650 MB
  - D. 4.7 MB

11. How many pins are on a DDR2 type memory module?
- A. 128
  - B. 256
  - C. 184
  - D. 240
12. What term is used to describe running a processor at a frequency higher than recommended?
- A. Throttling
  - B. Hyper-threading
  - C. Multiprocessing
  - D. Over-clocking
13. What is the purpose of ECC type of memory module?
- A. To run at higher frequencies with less heat generated.
  - B. To detect and correct memory errors.
  - C. To correct DMS selection by hardware devices.
  - D. To provide multi-threading support for the CPU.
14. Which file system is recommended for Windows XP installation system partitions.
- A. FAT16
  - B. FAT32
  - C. VFAT
  - D. NTFS
15. Which CPU feature is designed to conserve battery on a portable PC?
- A. Throttling
  - B. Hyper-threading
  - C. Over-clocking
  - D. MMX
16. What is the purpose of Windows XP NTBOOTDD.SYS file?
- A. To determine which operating system to boot, when two or more operating systems are installed on a single partition.
  - B. It is the main NT operating system file also known as the kernel.
  - C. It is required to support a SCSI drives rather than IDE type of hard disk drives.
  - D. It automatically inspects the hardware and then writes a data file to the registry identifying all hardware components that require driver support.

17. How many bits are used to represent the IP address of a IPv6 network device?

- A. 32
- B. 64
- C. 128
- D. 256

18. Which type of security is designed for 802.11 devices?

- A. PPP
- B. SLIP
- C. WEP
- D. PGP

19. Which type of printer uses a rotating photosensitive print drum?

- A. Ink jet
- B. Laser
- C. Impact
- D. Dot matrix

20. A customer brings a computer into the shop and describes the symptoms of the problem to you. What should you ask to help isolate the cause of the problem?

- A. Which operating system is installed?
- B. Who is your Internet provider?
- C. When did the problem first occur?
- D. How much RAM is installed?

## *Answers*

1. A, D
2. C
3. B
4. A
5. D
6. A
7. A
8. A
9. B
10. C
11. D
12. D
13. B
14. D
15. A
16. C
17. C
18. C
19. B
20. C