

# CompTIA

**Exam 220-301**

**A+ CORE HARDWARE(2003 Objectives)**

Version: 5.0

**[ Total Questions: 1578 ]**

**Topic break down**

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**Topic 0, D**

D

**Question No : 1 - (Topic 0)**

What is the MOST significant difference between EDO RAM and fast page mode DRAM?

- A. EDO RAM is faster.
- B. EDO RAM is slower.
- C. EDO RAM is smaller.
- D. EDO RAM is cheaper.

**Answer: A****Question No : 2 - (Topic 0)**

Which type of memory cache is attached directly to the core of a CPU and runs at the CPU speed?

- A. Level 4 Cache
- B. Level 3 Cache
- C. Level 2 Cache
- D. Level 1 Cache

**Answer: D****Question No : 3 - (Topic 0)**

A user reports that while printing a large document, the local printer fails to print and the document cannot be deleted from the queue. What is the MOST likely cause of the problem?

- A. The printer cable is not bi-directional.
- B. The user does not have full printer administration rights.
- C. The computer cannot spool and send the print job fast enough.
- D. The print job is too big for the amount of available memory.

**Answer: D****Question No : 4 - (Topic 0)**

A Laser printer keeps getting a "Memory Overflow" error when printing a particular document. Which three of the following are possible fixes? (Select THREE)

- A. reset the printer cable
- B. replace the toner cartridge
- C. decrease the print resolution
- D. add more RAM to the printer
- E. reduce the RET (Resolution Enhancement Technology)

**Answer: C,D,E**

**Question No : 5 - (Topic 0)**

Which two of the following motherboard components are FRUs (field replaceable units)? (Select TWO)

- A. CPU
- B. chipset
- C. memory modules
- D. L3 Cache

**Answer: A,C**

**Question No : 6 - (Topic 0)**

A networked PC has SERVER as its NetBIOS name. It has a locally attached printer on LPT1, which is shared across the network called LASER1. What is the UNC path from all other workstations to this printer?

- A. \\SERVER\LPT1
- B. \\SERVER\LPT1\LASER1
- C. \\SERVER\LASER1
- D. \\SERVER\PRINTER\LASER1

**Answer: C**

**Question No : 7 - (Topic 0)**

The A+ Professional upgrades the operating system on a PC to Windows 2000. The

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system has a Pentium III 500 MHz processor, 64 MB of RAM, and a 10 GB ATA hard drive. Under normal circumstances, which action has the greatest impact on improving system performance?

- A. upgrading system memory to 256 MB
- B. installing a larger capacity hard drive
- C. installing a different video controller
- D. Nothing will help; buy a new computer.
- E. installing a faster processor

**Answer: A**

**Question No : 8 - (Topic 0)**

What is the difference between an RJ-45 connector and an RJ-11 connector?

- A. RJ-11 and RJ-45 are the same.
- B. RJ-11 is used for the phone line while RJ-45 is used for a slightly larger network cable.
- C. RJ-45 is used for the phone line while RJ-11 is used for a slightly larger network cable.
- D. They have the same function but RJ-11 uses slightly older connections than RJ-45.

**Answer: B**

**Question No : 9 - (Topic 0)**

Where are the first computer instructions available when a microcomputer is powering up?

- A. floppy drive
- B. BOOT.INI
- C. ROM
- D. CONFIG.SYS

**Answer: C**

**Question No : 10 - (Topic 0)**

A user reports that when working with large files, the PC slows down and a loud noise is heard coming from the PC. The computer technician determines that the PC is performing many page file operations. Which resource can be added to the PC to decrease page file

usage?

- A. processor
- B. memory
- C. hard drive
- D. CD-RW

**Answer: B**

**Question No : 11 - (Topic 0)**

When adding additional system memory to a computer with a 66 MHz System Bus, which memory speed should be used?

- A. 32 MHz
- B. 66 MHz
- C. 100 MHz
- D. 133 MHz

**Answer: B**

**Question No : 12 - (Topic 0)**

Which two of the following can cause a Laser Jet printer to print too lightly? (Select TWO)

- A. too much humidity in the air
- B. malfunctioning transfer corona
- C. printing on the wrong side of the paper
- D. duplex mechanism inside printer
- E. print density setting that is too low

**Answer: B,E**

**Question No : 13 - (Topic 0)**

What should be used to extinguish a computer fire?

- A. firehose
- B. Class A extinguisher
- C. Class C extinguisher

D. silver foam water extinguisher

**Answer: C**

**Question No : 14 - (Topic 0)**

Which network technology allows a NIC (network interface card) to transmit and receive data at the same time?

- A. multi mode
- B. half duplex
- C. full duplex
- D. peer-to-peer

**Answer: C**

**Question No : 15 - (Topic 0)**

Which cleaning product should be used for the inside of a computer?

- A. glass cleaner
- B. a simple ammonia and water solution followed by an antistatic solution
- C. a bleach solution followed by water
- D. compressed air

**Answer: D**

**Question No : 16 - (Topic 0)**

What is the FIRST step in diagnosing a completely dead computer that was working fine the day before?

- A. remove all peripherals and reinstall them one at a time
- B. replace the CMOS battery
- C. check the AC power cord and verify the power source
- D. back up the entire hard drive

**Answer: C**

**Question No : 17 - (Topic 0)**

Which of the following commands tests the path between the client and target?

- A. PING
- B. IPCONFIG
- C. NETSTAT
- D. NBTSTAT

**Answer: A**

**Question No : 18 - (Topic 0)**

What is the minimum number of drives required for RAID Level 5?

- A. 1
- B. 2
- C. 3
- D. 5

**Answer: C**

**Question No : 19 - (Topic 0)**

What are two typical speeds of Ethernet networks? (Select TWO)

- A. 4 Mbps
- B. 10 Mbps
- C. 16 Mbps
- D. 100 Mbps

**Answer: B,D**

**Question No : 20 - (Topic 0)**

An A+ Certified Technician MUST do an install on a Windows XP system from the distribution CD. However, the system does not boot from this CD. What is the MOST likely cause of this problem?



- A. The CD is defective.
- B. The CD is not bootable.
- C. The CD-ROM drive is defective.
- D. The Boot Sequence is not set in the BIOS to boot first from the CD.

**Answer: D**

**Question No : 21 - (Topic 0)**

Which processor uses a Slot 1 configuration?

- A. AMD Duron
- B. AMD Thunderbird
- C. Intel Pentium
- D. Intel Pentium II

**Answer: D**

**Question No : 22 - (Topic 0)**

A CMOS "Checksum" error appears during bootup. What is the MOST likely cause?

- A. The power supply is bad.
- B. BIOS needs updating.
- C. The CMOS battery is nearing end of life.
- D. Hard drive types are incorrectly defined.

**Answer: C**

**Question No : 23 - (Topic 0)**

Using theoretical limits, which of the following is the fastest connection?

- A. IR (Infrared)
- B. full duplex Ethernet over CAT5e cable
- C. single mode fiber
- D. Wireless

**Answer: C**

**Question No : 24 - (Topic 0)**

What is IEEE 1394b also known as?

- A. FireWire 400
- B. USB 1.0
- C. FireWire 800
- D. USB 2.0

**Answer: C**

**Question No : 25 - (Topic 0)**

A notebook computer has a Ni-Cad battery that continually requires recharging. It must be recharged more often than when the notebook was first purchased. The battery:

- A. is overcharging.
- B. is experiencing the memory effect.
- C. is undercharging.
- D. is discharging.

**Answer: B**

**Question No : 26 - (Topic 0)**

A computer floppy drive light is on continuously. What is the MOST likely cause?

- A. The floppy cable is bad.
- B. The controller card is bad.
- C. The floppy cable is reversed.
- D. The drive is bad.

**Answer: C**

**Question No : 27 - (Topic 0)**