

A + (Plus) Hardware Interview Questions And Answers Guide.



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A + (Plus) Hardware Job Interview Preparation Guide.

Question # 1

A PCMCIA measuring 10.5mm is what type?

- A. type 1
- B. type 2
- C. type 1 and 3
- D. type 3
- E. None of the above

Answer:-

Option D
type 3

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Question # 2

What component would most likely cause a "parity error"?

- A. bad hard disk
- B. bad controller
- C. bad RAM
- D. bad software
- E. None of the above

Answer:-

Option C
bad RAM

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Question # 3

Whenever you have a hardware resource conflict, it will more likely be an IRQ conflict rather than an i/o conflict because:

- A. there are a lot more I/O addresses than IRQs.
- B. the BIOS sometimes has more of a problem controlling IRQs
- C. I/O addresses cannot conflict
- D. software tends to correct I/O conflicts
- E. software tends to mess up IRQs

Answer:-

Option A
there are a lot more I/O addresses than IRQs.

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Question # 4

You have just installed a new internal PCI modem on you desktop. It will not dial out. what is the problem?

- A. The port speed is set too high
- B. the modem has not been set up in control panel properties
- C. the phone line is plugged into the line-in port on the modem card
- D. the phone line out of the wall is plugged into the phone port on the modem card
- E. None of the above

Answer:-

Option D
the phone line out of the wall is plugged into the phone port on the modem card

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Question # 5

After you service a laser printer, you notice dirty print. Which of the following would correct the problem.



- A. Clean the developer tank
- B. Reset the printer
- C. Run several blank pages
- D. Clean the laser diode
- E. None of the above

Answer:-

Option C
Run several blank pages

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Question # 6

During the boot process, a system first counts memory from where?

- A. Expansion memory board
- B. Video adapter
- C. System board
- D. Cache
- E. None of the above

Answer:-

Option C
System board

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Question # 7

What command is used to reset a MODEM when using the

- A. ATR
- B. ATZ
- C. DTR
- D. DCE
- E. None of the above

Answer:-

Option B
ATZ

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Question # 8

Modems use _____ transmission.

- A. Synchronous
- B. Asynchronous
- C. Timed interval
- D. PPP
- E. None of the above

Answer:-

Option B
Asynchronous

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Question # 9

What should be used to extinguish a computer fire?

- A. fire hose
- B. class a extinguisher
- C. class c extinguisher
- D. silver foam water
- E. None of the above

Answer:-

Option C
class c extinguisher

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Question # 10

In ROM BIOS, the acronym BIOS stands for:

- A. Basic Intuitive Output Set
- B. Basic Input Organizational System
- C. Basic Input Output System
- D. Basic Industry Operating System
- E. None of the above

Answer:-

Option C
Basic Input Output System

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Question # 11

What command is used to hand up a MODEM when using the "AT Answer Command set"?

- A. ATZ
- B. ATD
- C. ATR
- D. ATH
- E. None of the above

Answer:-

Option D
ATH

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Question # 12

Why does a successfully mapped network drive disappear every time you boot the computer?

- A. The computer you are connected to has moved
- B. You didn't click reconnect on log on
- C. The map statement is not in the autoexec.bat file
- D. The last drive was not set correctly
- E. None of the above

Answer:-

Option C
The map statement is not in the autoexec.bat file

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Question # 13

Which hardware component controls serial port communications?

- A. ROM BIOS
- B. CPU
- C. DMA823
- D. UART 16550
- E. None of the above

Answer:-

Option D
UART 16550

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Question # 14

A Type 1 PCMCIA card is:

- A. The same physical size as other PCMCIA cards but configured differently
- B. The thinnest PCMCIA card, measuring 3.5mm in thickness
- C. The thickest PCMCIA card, measuring 10.5mm in thickness
- D. An old standard that is not compatible with the newest laptops
- E. None of the above

Answer:-

Option B
The thinnest PCMCIA card, measuring 3.5mm in thickness

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Question # 15

You have a 15 pin female connector with the pins in two rows. What could you connect with this?

- A. Serial device
- B. Parallel device
- C. MIDI device
- D. Video device
- E. Joystick

Answer:-

Option E
Joystick

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Question # 16

The 34-pin connection on an I/O card is for?

- A. floppy drive
- B. SCSI drive
- C. IDE drive
- D. zip drive
- E. None of the above

Answer:-

Option A
floppy drive



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Question # 17

You run a super wing-ding diagnostic program on your PC, and it reports that your hard drive, microprocessor, RAM, and video card have seen better days. To resolve this problem you should:

- A. replace each part one at a time, rerunning the diagnostic before replacing the next part.
- B. check to see if you have a software problem
- C. replace everything at once and rerun the diagnostic
- D. get another copy of the diagnostic program
- E. run an exhaustive memory check

Answer:-

Option B

check to see if you have a software problem

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Question # 18

On a leased line installation a known good external modem shows no carrier detect light. Where is the problem most likely to be?

- A. In the modem
- B. In the phone line
- C. In the computer
- D. In the DTC equipment
- E. None of the above

Answer:-

Option B

In the phone line

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Question # 19

Which of the following is a type of preventative maintenance used on a hard drive?

- A. Disk check diagnostics
- B. Head alignment diagnostics
- C. Initializing
- D. Uninstalling programs
- E. None of the above

Answer:-

Option A

Disk check diagnostics

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Question # 20

ESD damage can be caused by:

- A. Placing an IC in a non-conductive plastic bag
- B. Placing an IC on a grounded mat
- C. Repeated sags in current supplied from outlets
- D. Touching metal on the chassis
- E. None of the above

Answer:-

Option A

Placing an IC in a non-conductive plastic bag

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Question # 21

How can you totally protect a PC from damage during an electrical storm?

- A. Disconnect the AC power cable
- B. Disconnect all external cables and power cords
- C. Use a surge protector
- D. Turn off the AC power
- E. None of the above

Answer:-

Option A

Disconnect the AC power cable

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Question # 22

When you boot a PC and don't hear any beep, this could suggest which of the following?

- A. The monitor is turned off
- B. Keyboard not plugged in
- C. Normal PC boot
- D. Bad or disconnected speaker
- E. None of the above



Answer:-

Option D
Bad or disconnected speaker

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Question # 23

What is the file extension used by WIN95 to back up registry file when windows starts?

- A. .dat
- B. .dao
- C. .bak
- D. .tmp
- E. None of the above

Answer:-

Option B
.dao

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Question # 24

A 2xx POST error code indicates a problem with:

- A. RAM or ROM
- B. hard drive
- C. system board
- D. second adapter card
- E. CMOS battery

Answer:-

Option A
RAM or ROM

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Question # 25

What are the IRQ's for sound card?

- A. IRQ8
- B. IRQ4
- C. IRQ5
- D. IRQ7
- E. None of the above

Answer:-

Option C
IRQ5

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Question # 26

Your IDE hard drive is not spinning up when you turn on the PC. What is the most likely problem.

- A. bad data cable
- B. incorrect jumper setting on drive
- C. loose molex connector
- D. virus
- E. tfad system board

Answer:-

Option C
loose molex connector

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Question # 27

You can place an ISA device in an EISA slot.

- A. True
- B. False

Answer:-

Option A
True

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Question # 28

Which provides the fastest access to large video files?

- A. Optical drives
- B. IDE hard drives
- C. SCSI hard drives
- D. EIDE hard drives
- E. None of the above



Answer:-

Option C
SCSI hard drives

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Question # 29

An anti static strap uses a small _____ to make sure you do not become the least path of resistance to the ground?

- A. capacitor
- B. diode
- C. transistor
- D. resistor
- E. None of the above

Answer:-

Option D
resistor

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Question # 30

Which best describes a fragmented hard drive:

- A. The platters are bad
- B. Data files are corrupted
- C. Clusters of data are damaged
- D. Files are not stored in consecutive clusters
- E. None of the above

Answer:-

Option D
Files are not stored in consecutive clusters

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Question # 31

What resistance in ohms should be displayed when testing a speaker in a computer?

- A. Q Ohms
- B. 16 Ohms
- C. -200 Ohms
- D. Unlimited Ohms
- E. None of the above

Answer:-

Option B
16 Ohms

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Question # 32

After displaying the directory of a floppy disk, a different floppy is inserted into the drive. The contents of the original floppy continue to display regardless of the director requests on the other floppies placed in the drive. You remove the drive in question and install it into your test system, and it does not exhibit the problem. You should next replace the:

- A. System's floppy drive device driver
- B. Original IDE controller
- C. Floppy drive ribbon cable
- D. System's power supply
- E. None of the above

Answer:-

Option C
Floppy drive ribbon cable

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Question # 33

What is the best ground for a conductive work bench?

- A. AC outlet
- B. Ground to bench
- C. To the motherboard
- D. To the PC's Chassis
- E. None of the above

Answer:-

Option A
AC outlet

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Question # 34

When we are testing a fuse, we should set the Volt-OHM meter to what scale?



- A. AC
- B. DC
- C. AMPS
- D. OHMS
- E. None of the above

Answer:-

Option D
OHMS

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Question # 35

During boot-up, the memory test:

- A. Is a superfluous step that should be ignored
- B. Checks and verifies that contiguous memory is installed
- C. Is an operational error
- D. Displays what memory is installed, but nothing else
- E. None of the above

Answer:-

Option A
Is a superfluous step that should be ignored

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Question # 36

A customer has just installed a new cd-rw. the system was working fine before the installation, but now the cdrom does not work, what should you suggest that the customer do?

- A. flash or upgrade the BIOS
- B. check the CONFIG.SYS
- C. add cdrw in the device manager
- D. check the jumper setting on the cd-rw
- E. None of the above

Answer:-

Option D
check the jumper setting on the cd-rw

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Question # 37

Which is the most difficult environmentally to dispose of?

- A. floppy drives
- B. hard drives
- C. power supplies
- D. CRTs
- E. system boards

Answer:-

Option D
CRTs

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Question # 38

Resistance is measured:

- A. in parallel
- B. in series
- C. after breaking the circuit
- D. after checking voltage
- E. after checking current

Answer:-

Option C
after breaking the circuit

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Question # 39

Which is LEAST likely to interfere with upgrading to a newer DOS Version?

- A. ROM BIOS
- B. Video controller
- C. Compressed drives
- D. Existing backup files
- E. None of the above

Answer:-

Option B
Video controller



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Question # 40

What is ospf?

Answer:-

Open Shortest Path First (OSPF) is a link-state routing protocol for Internet Protocol (IP) networks. It uses a link state routing algorithm and falls into the group of interior routing protocols, operating within a single autonomous system (AS).

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Question # 41

Troubleshooting questions in hardware?

Answer:-

pls , send sir

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Question # 42

What are the basic expansion card types?

Answer:-

The basic expansion card types in A+ Hardware certification are ISA and PCI, ISA these can be used only on XT, AT and ATX boards. The industry now considers ISA obsolete.

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Question # 43

How to clear Computer Motherboard CMOS password?

Answer:-

To clear Computer Motherboard CMOS password we will do these steps. Since CMOS is a special chip with its own battery, the best way to clear out a CMOS chip is to disconnect it from its power supply.

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Question # 44

Where does the Real mode on the CPU come from?

Answer:-

The original 8086, which only had 1 MB of memory. This megabyte is split into low memory for IRQ tables, application memory and high memory.

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Question # 45

Where does CPU Enhanced mode originate from?

Answer:-

Intel's 80386 was the first 32-bit processor, and since the company had to backward-support the 8086. All the modern Intel-based processors run in the Enhanced mode, capable of switching between Real mode (just like the real 8086) and Protected mode, which is the current mode of operation.

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Question # 46

Name the processor lines of two major manufacturers?

Answer:-

High-end: Intel - Pentium (II, III, 4), AMD - Athlon.

Low-end: Intel - Celeron, AMD - Duron. 64-bit: Intel - Itanium 2, AMD - Opteron.

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Question # 47

What's the difference between L1 and L2 cache?

Answer:-

Level 1 cache is internal to the chip, L2 is external.

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Question # 48

What's the speed and device maximum specs for Firewire?

Answer:-

IEEE 1394 (Firewire) supports the maximum of 63 connected devices with speeds up to 400 Mbps.

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**Question # 49**

Where's MBR located on the disk?

Answer:-

Main Boot Record is located in sector 0, track 0, head 0, cylinder 0 of the primary active partition.

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Question # 50

What's the maximum hard drive size for FAT16-based Windows system?

Answer:-

Maximum hard drive size for FAT16-based Windows system is 2 GB.

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Question # 51

How many logical drives is it possible to fit onto a physical disk?

Answer:-

Maximum of 24 logical drives. The extended partition can only have 23 logical drives.

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Question # 52

What are * and ? when using them for wildcards in Windows?

Answer:-

* - any characters, arbitrary among, ? - single character.

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Question # 53

How does the browser know to go to a certain IP address when you enter a domain like google.com?

Answer:-

When we enter a URL such as google.com then It searches through local DNS cache, if nothing is there, it queries the ISP's DNS server to resolve the URL.

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