

NAME: Worked Solution

~~20~~ 1999

SECTION A:

- ① Since the mouse cannot be used the arrow keys are used instead. Typically there are instructions at the bottom of the page.
- ② This preserves a copy of the data in the event that the main system fails. This is useful in any business or organisation that keeps accounts or any other irreplaceable data.
- ③ Temporary files are left behind; hard drive may be corrupted.
- ④ CMOS stores system configuration when the computer is turned off. The control program can be used to change configuration settings.
- ⑤ By press F8 at boot up the option to skip startup files - or use a safe boot is available.
- ⑥ It's a centralised system database controlling all aspects of the system. Editing may lead to damage of the registry, preventing software & hardware from working properly.
- ⑦ Using the 'fonts' applet in the Control Panel
- ⑧ SCSI drives are high-performance - expensive - devices typically used in "high-end" workstations but mainly in servers.

SECTION B:

- ① Most applications when installed will note the hard drives & cd-rom drives present. Especially, applications that run from a CD (in this case 'ENCARTA') make a note of the letter corresponding to the CDROM drive, for example, D:

The addition of a new drive may cause the letter to change but program won't know this automatically so it will probably be necessary to re-install the application to solve the problem.

- ② A very common Windows problem is incorrect Region and language settings. In this case the owner has USA settings in place. The solution is to go to the control panel and change the Region settings and the language/keyboard settings. Double check after changing and re-do if required.

- ③ This is typically caused by having 2 hard drives on the same channel where both want to be master or both want to be slave. One should be set to master (probably the original disk) and the other set to slave. The 'jumpers' on the drives can be changed.

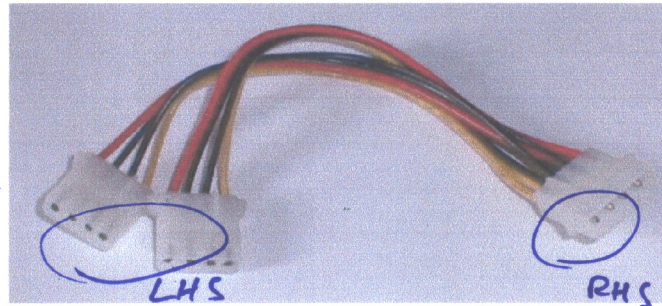
- ④ CTRL-ALT-DEL should give the option to close the offending program. Choose the program and click on 'shutdown'. If this doesn't work, use CTRL-ALT-DEL again to restart. Only as a last Resort should the ON/OFF button be used.

## Section C (10%)

Answer both Questions.

1. (a) What type of connector is this? When or where is one of these used?

(a)  
This is a hard-drive or CD-ROM drive power lead/adaptor.



IF there are not enough power connectors in the system, the plug on the RHS goes into a power connector, giving an extra socket on the LHS.

(b) What type of device is this? What is it used for?

(b) This is an anti-static wrist band. It is used to ground the person doing repairs to the PC to avoid damage to components from static electricity build up.



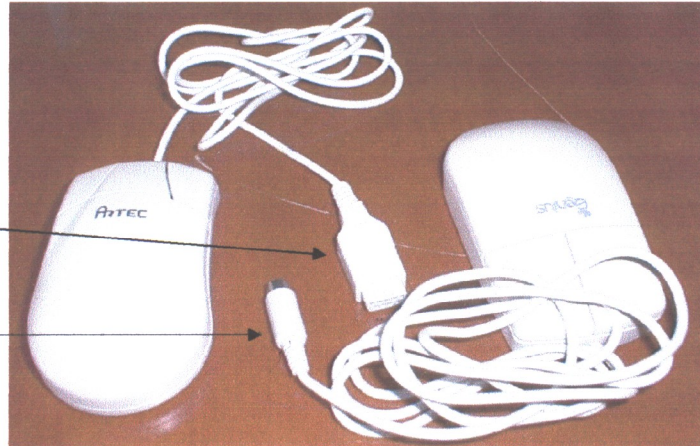
2. (a) Identify the connector types on each of these mice.

SERIAL (old)

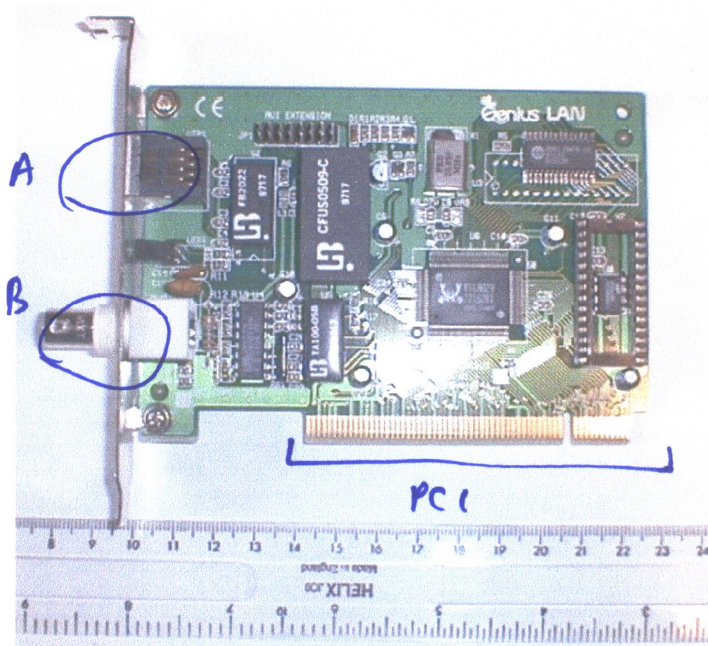
A

PS/2

B



(b) What type of expansion card is this? What bus type does it plug into?



This is a network card.  
 (A) is the RJ45 socket and (B) is an older BNC (thin ethernet) connector used on older networks.

This is a ~~PCI~~ PCI card for the PCI bus. We can tell this from the pattern/layout of the connectors at the base of the card.