**ITM-301 Homework #6 (Chapter 13)**

Reviewing the Basics

1. **When you first turn on a computer and you don’t hear a spinning drive or fan or see indicator lights, is the problem hardware or software related?**

Answer: Hardware related (the electrical system).

1. **What is a Windows error message called that appears on a blue screen?**

Answer: blue screen of death (BSOD)

1. **How many beeps does startup BIOS give to indicate a successful POST?**

Answer: One short beep

1. **Which two components in a system might give out a loud whining noise?**

Answer: Power supply and hard drive

1. **What Windows utility can you use to test RAM?**

Answer: Memory Diagnostics

1. **What is the purpose of standoffs installed between the bottom of the case and the motherboard?**

Answer: To avoid forming a shock in the motherboard

1. **If a system hangs after being used for several hours and you suspect overheating, what can you do to easily monitor the CPU and system temperature?**

Answer: Install software to monitor the system temperature, such as SpeedFan.

1. **What are two reasons to tie cables up and out of the way inside a computer case?**

Answer: They do not block airflow across the processor or get in the way of fans turning.

1. **Why should a tower case not sit on thick carpet?**

Answer: A case needs some room to breathe. Sitting on thick carpet might prevent air circulate and flow into the bottom air vent

1. **For most computer cases, does air flow from front to rear or rear to front?**

Answer: Good arrangement for proper airflow is air flows from front to rear

1. **What should you do if you get the POST error “CMOS checksum bad”?**

Answer: CMOS RAM might be corrupted. Run BIOS setup and reset BIOS to default settings. If the problem occurs again, try flashing the BIOS.

1. **What can you do if a port on the motherboard is faulty and a device requires this type of port?**

Answer: Disable the port in BIOS setup and install an expansion card to take its place.

1. **If you see artifacts on the screen before Windows loads, why can you eliminate the video drivers as the source of the problem?**

Answer: The problem might be caused by the monitor. Because the video drivers are not loaded until after Windows loads.

1. **What can you do to stop a computer from repeatedly restarting in a continuous loop?**

Answer: To disable these automatic restarts, press F8 as Windows starts up to load the Advanced Boot Options menu. Then select Disable automatic restarts on system failure.

1. **What is the screen resolution used by VGA mode?**

Answer: 640 x 480

1. **What can you do to protect a keyboard that is used in an extremely dusty area?**

Answer: Use a plastic keyboard cover

1. **Why is not a good practice to unpack computer parts immediately after they have been delivered on a cold day?**

Answer: To prevent damage from condensation and static because of sudden changes in temperatures.

1. **Why is it not a good idea to throw used button batteries in the trash?**

Answer: Because these batteries can contain silver oxide, mercury, lithium, or cadmium and are considered hazardous waste.

1. **What device can keep a computer running during a brownout?**

Answer: An Uninterruptable Power Supply (UPS)

1. **How is the best way to get rid of laser printer toner cartridges?**

Answer: Return them to the manufacturer or dealer to be recycled.