

Lecture 31

Unit 6 Quiz

1. Which proper method of CPU cooling is the Cheapest?
 - A. Fan/heatsink**
 - B. Water cooling**
 - C. Phase change cooling**
 - D. Alpha cooling**
2. The amount of air case fan move is measured in _____
 - A. BTU**
 - B. CFM**
 - C. AMU**
 - D. PCS**
3. Your PC is running an AMD Athlon XP 2100+ processor with a Soyo Ultra Platinum motherboard. It currently has PC2700 memory but is capable of supporting PC3200. The motherboard supports ATA- 133, and you have a single 20 GB ATA – 100 drive. What can you do to increase this system’s performance that would have the largest effect? (Select all that apply.)
 - A. Replace the motherboard**
 - B. Replace memory**
 - C. Replace the hard disk**
 - D. Replace the system fan**
4. What should you use to clean the contacts of a video card?
 - A. Water**
 - B. Soap and water**
 - C. A dry cloth**
 - D. An alcohol swab**
5. You smell smoke and notice that a fire has started inside your computer. This fire extinguisher you reach for should have what rating?
 - A. Class A**
 - B. Class B**
 - C. Class C**
 - D. Class D**
6. What does ESD stand for?
 - A. Every single day**
 - B. Electric system degradation**
 - C. Electrocutation diode**
 - D. Electrostatic discharge**
 - E. None of the above**
7. When connecting an ESD strap to an extension cord, you must connect it to _____
 - A. The hot pin**
 - B. The negative pin**
 - C. The ground pin**
 - D. All of the above**

8. Before servicing the inside of monitor, you should do which of the following?
- A. **Discharge the capacitor**
 - B. **Clean the outside with a non-detergent cloth**
 - C. **Make note of the knob positions**
 - D. **Look for any loose screws**
9. Liquid –cooled computers use a _____ on the CPU to keep it cool.
- A. **Heat pipe**
 - B. **Water pipe**
 - C. **Water block**
 - D. **Water cylinder**
10. _____ are chemicals use to increase the surface area in contact with a heatsink.
- A. **Metaloids**
 - B. **Silver solids**
 - C. **Polysynthetic**
 - D. **Thermal compounds**
11. Antistatic wrist straps should be connected to which hole in an outlet?
- A. **Short slot**
 - B. **Long slot**
 - C. **Round hole**
 - D. **They shouldn't be connected to an outlet**
12. _____ contain information about harmful chemicals, their properties, and safety information.
- A. **ESD**
 - B. **MSDS**
 - C. **CFM**
 - D. **EPA**
13. What is the best method for preventing EDS damage?
- A. **Antistatic mat**
 - B. **Antistatic spray**
 - C. **Antistatic wrist strap**
 - D. **Antistatic thinking**
14. An _____ provides for ESD protection while a computer is in transit between producer and consumer.
- A. **Antistatic wrist strap**
 - B. **Antistatic spray**
 - C. **Antistatic mat**
 - D. **Antistatic bag**
15. How many volts does it take to damage a CMOS-based IC?
- A. **1**
 - B. **100**
 - C. **1,000**
 - D. **10,000**
16. True or False. It is possible to brush clean the surface of a laser printer's EP cartridge drum with the plan of your hand.
- A. **True**

- B. False**
17. If you wanted to increase performance in your computer by replacing your hard disk subsystem with the highest possible performer, which of the following technologies would you replace it with?
- A. ATA –2
 - B. Serial ATA**
 - C. ATA – 100
 - D. ATA – 133
18. What effect will increasing the number of fins on a heatsink have on the cooling efficiency of the heatsink?
- A. None
 - B. Little**
 - C. Some
 - D. Great
19. _____ use the effect of liquid changing to a gas and back again to cool a processor.
- A. Heatsink**
 - B. Water cooling
 - C. Phase change cooling
 - D. Gaseous phase cooling
20. _____ is the most efficient method of cleaning dust from inside a computer.
- A. Vacuuming the dust out**
 - B. Dusting with a cloth
 - C. Blowing the dust out with compressed air
 - D. Washing the dust out with soap and water