# Week 01

1. Which computer component contains all the circuitry necessary for all components or devices to communicate with each other?

A. Motherboard

B.  Hard Drive

C. Expansion Bus

D. Adapter Card

1. Which case type is typically used for servers?
2. Mini Tower
3. Mid Tower
4. Full Tower
5. desktop
6. What is the most reliable way for users to buy the correct RAM to upgrade a computer?
7. Buy RAM that is the same color as the memory sockets on the motherboard.
8. Ensure that the RAM chip is the same size as the ROM chip.
9. Ensure that the RAM is compatible with the peripherals installed on the motherboard.
10. Check the motherboard manual or manufacturer’s website.
11. Which two connectors are used to connect external peripherals? (Choose two.)
12. Mole.
13. PATA
14. PS/2
15. USB
16. What type of memory stores information as patterns of transistors ons and offs to represent binary digits, is physically bulky, and is somewhat limited in capacity?
17. SRAM D. ROM
18. DRAM E. PROM
19. EDORAM F. EPROM
20. A technician is installing a new power supply in a computer. Which type of power connector should be used to connect to an ATX motherboard?
21. Berg
22. mini - Molex
23. Molex
24. 20 – pin connector
25. What is the maximum speed of USB 2.0 in Mbps?

A.  1.5

B.  12

C.  60

D.  380

E.  480

1. What is the max transmission rates of FireWire port?
2. 12 Gbps
3. 600 Mbps
4. 300 Mbps
5. 3.2 Gbps
6. A field technician has been asked to install a wireless 802.11g NIC in a computer, but is unsure about the expansion slots available. Which port should technician use? (Choose two.)
7. PCIe
8. AGP
9. SCSI
10. PCI
11. SATA
12. A typical hard drive has how many bytes per sector?

A.  512

B.  501

C.  515

D.  520

1. Which component is installed to keep the CPU cool?
   1. Motherboard
   2. Heat sink
   3. Processor
   4. Floppy Drive
2. are used to mount the motherboard into the case?
   1. Pins
   2. Standoffs

C. Tie Wraps

D. Zip Ties

1. Which power device would be best to attach to your computer if you were having under voltage power problems?
   1. Surge protector
   2. UPS
   3. Line container
   4. SPS
2. What was the original name for a monitor?
   1. Video Display Unit
   2. Cathode Ray Tube
   3. Liquid Crystal Display
   4. Optical Display Unit
3. Which power problem is an overvoltage condition that lasts for up to several seconds?
   1. Spike
   2. Surge
   3. Sag
   4. Blackout
4. Which of the following can be upgraded by replacing only those components?
   1. Chipset
   2. Video Card
   3. Video circuit on the motherboard
   4. Hard disk
5. Which power problem is an under voltage condition that results in the complete loss of power?
   1. Spike
   2. Surge
   3. Sag
   4. Blackout
6. What does ESD stand for?
   1. Every Single day
   2. Electric System degradant
   3. Electro silicon diode
   4. Electro static Discharge
   5. None of the above
7. A customer complains that his hard disk is making a lot of noise. After examining the computer and hearing the high- pitched noise for yourself, you notice that the noise seems to be coming from the fan in the power supply. Which component should be replaced?
   1. Hard Disk
   2. Power supply.
   3. Motherboard
   4. this is a software problem.
8. Which recommendation should be followed first when a fire in the workplace is out of control?
9. Try to use the elevators to get to the lowest floor faster.
10. Get out of the room or building and contact emergency services for help.
11. Use the company water system to stop the fire from extending to other areas.
12. Try to control the fire with proper extinguishers.
13. ESD would cause the most damage to which component?
14. Power supply
15. Expansion board
16. Monitor
17. Keyboard
18. All of above
19. Most PCs give a single beep on bootup to indicate they are ok hardware wise. You boot your PC and don't get a beep. What should you check first?
20. System board
21. RAM
22. . Microprocessor
23. Keyboard
24. Speaker
25. Resistance is measured in ?
26. Volt
27. Watt
28. Ohm
29. Amps
30. None of above
31. A hard disk is divided into tracks which are further subdivided into:
32. Clusters
33. Sectors
34. Vectors
35. Head
36. None of above
37. A wrist grounding strap contains which of the following:
38. Surge protector
39. Capacitor
40. Voltmeter
41. Resistor
42. None of above
43. From what location are the 1st computer instructions available on boot up?
44. ROM BIOS
45. CPU
46. Boot.ini
47. Config.sys
48. None of the above
49. What is the permanent memory built into your computer called?
    1. RAM
    2. ROM
    3. CPU
    4. CD-­­ROM
    5. All
50. The capacity of your hard drive is measured in
    1. MHz
    2. MBps
    3. Mbps
    4. GB
    5. GHz
51. Which of these is a not a computer manufacturer?
52. Microsoft
53. Sun
54. IBM
55. Apple
56. Which two devices commonly effect wireless LAN?
57. Blu-ray player
58. External hard drive
59. Microwaves
60. Wireless phones
61. Sound card

# Answers

|  |  |
| --- | --- |
| 14 | **A** |
| 15 | **B** |
| 16 | **B, D** |
| 17 | **D** |
| 18 | **D** |
| 19 | **B** |
| 20 | **B** |
| 21 | **B** |
| 22 | **E** |
| 23 | **C** |
| 24 | **B** |
| 25 | **D** |
| 26 | **A** |
| 27 | **B** |
| 28 | **D** |
| 29 | **A** |
| 30 | **C,D** |

|  |  |
| --- | --- |
| **Que** | **Ans** |
| 1 | **A** |
| 2 | **C** |
| 3 | **D** |
| 4 | **C, D** |
| 5 | **B** |
| 6 | **D** |
| 7 | **E** |
| 8 | **D** |
| 9 | **A, D** |
| 10 | **A** |
| 11 | **B** |
| 12 | **B** |
| 13 | **B** |