

Team #:_____

Name:_____

Absent:

Below is the description of the hardware features of a desktop PC:

- Intel® Core™ 2 Duo Processor E6300 (2MB L2 Cache,1.86GHz,1066)
- Genuine Windows Vista™ Home Premium
- 2 GB Dual-Channel DDR2 SDRAM (667MHz), expandable to 4 GB
- 500 GB Serial ATA Hard Drive
- DVD+RW/CD-RW Drive
- 3.5" Floppy Drive and 13-in-1 Media Reader
- Graphics card: 512MB NVIDIA GeForce 7600 GS
- Sound Blaster X-Fi™ XtremeMusic with Dolby 5.1
- Video: 1 DVI, VGA and 1 S-Video (with add-in PCI-Express video card)
- 9 USB 2.0 ports and 2 IEEE 1394 (FireWire) ports
- Integrated (10/100/1000) Gigabit Ethernet
- Expansion Slots: 3 PCI Slots, 1 PCIe x1 Slot, 1 PCIe x16 (Graphics) Slots, 1 PCIe x4/x8 Slot

1) What does the processor do?

2) What is stored in main memory (RAM)?

3) What is stored on the hard disk?

4) What is the purpose of cache memory?

5) What terms relate to interconnection of internal PC components?

6) What terms relate to interconnection of external PC components?

7) What is a KB, MB, GB, Gigabit, MHz, GHz?

8) What is the role of the operating system?

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9) What is the role of a compiler?

10) What advantages do high-level languages (Ada, C, C++, Java, Python, etc.) have over assembly language?

11) Why do people program in assembly language (AL)?