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

- Intel Pentium Dual-Core E5700 processor 3.0GHz, 800MHz Front Side Bus, 2MB L2 Cache
- 4GB DDR3 SDRAM main memory
- 500GB SATA hard drive
- 16X Multi-format DVD Burner
- 10/100 Gb Ethernet
- 20” widescreen flat panel monitor
- Intel Media Accelerator X4500HD Graphics
- 19-in-1 memory card reader
- 6 x USB 2.0 ports, 1 x VGA port, 2 x microphone jacks, 1 x headphone jack, 1 x HDMI port, 1 x RJ-45 Ethernet port, 1 x line-out, 1 x line-in
- 1 x PCI Express (x16) slot, 1 x PCI Express (x1) slot, 2 x PCI Express (x2) slots, 2 x 5.25" bays, 2 x 3.5" bays

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?
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)?