Key concepts from CPU/RAM and Chapter #6

1) What are the four basic parts of all computers?

2) What are vacuum tubes used for?

3) What are five disadvantages of vacuum tubes?

4) What is a transistor?

5) What does transistor replace?

6) List four advantages transistors have over vacuum tubes.

7) What are transistors basically made of?

8) What is a bit?

9) How many bytes in a Kilobyte, Megabyte and Gigabyte?

10) All information in a computer is stored as?

11) Processor speeds are measured in what?

12) The CPU stands for what and is the hardware brain of the computer.

13) What is the software brain of the computer?

14) List the three basic parts of the CPU? What function do they serve?

15) List the four steps in the CPU life-cycle.

16) What is cache memory? What is difference between L1 and L2 cache?

17) What is RAM memory?

18) What is ROM memory and how is it used with start up of computer?

19) What memory is the fastest?

20) What are expansion slots and expansion cards used for?

21) What are ports?

22) Explain the five basic kinds of ports?

23) What is Moore’s Law?

24) What makes one CPU different from another?

25) What does dual or quad core mean?

26) Is it difficult or expensive to add RAM?