Name: _____Due: Thu 05 March 2020 [TIPS:_____/20]

1. Match each of the following terms with one appropriate phrase from the list below, which describes the term. Place the letter of the correct phrase in the space beside the term.

RAM ____
ALU ____
[4] ROM ____
BIOS ____

a. It creates, updates, deletes, and copies files.
b. A set of instructions that allows the computer to recognize the hardware that is used.
c. It is a memory chip used to permanently store computer's start-up instructions. Memory contents recorded when the computer is built.
d. It controls the computer's hardware.
e. It stores programs, data or information from I/O devices.
f. It performs comparisons, arithmetic and simple logic operations.

2. Define the following terms: [3] (One mark for each definition)

a) Structured Programming

b) high-level language

c) program

3. What type of memory is used to permanently store a complete application program? **(HINT: your software applications are installed there) [2]**

4. Write the name of the hardware component that is described by each statement. [4]

_____ Maintains the order of entire system by directing the data to the appropriate places.

_____ Permanently stores a copy of the applications.

_____ Temporarily stores copies of all programs that are currently executed by the CPU.

_____ Stores computer's start-up instructions.

5. A personal computer has a Pentium 650 MHZ processor. Approximately how many instructions per second does this processor execute? [2]

6. Describe, using one complete sentence, the function (or purpose) of the accumulator. [2]

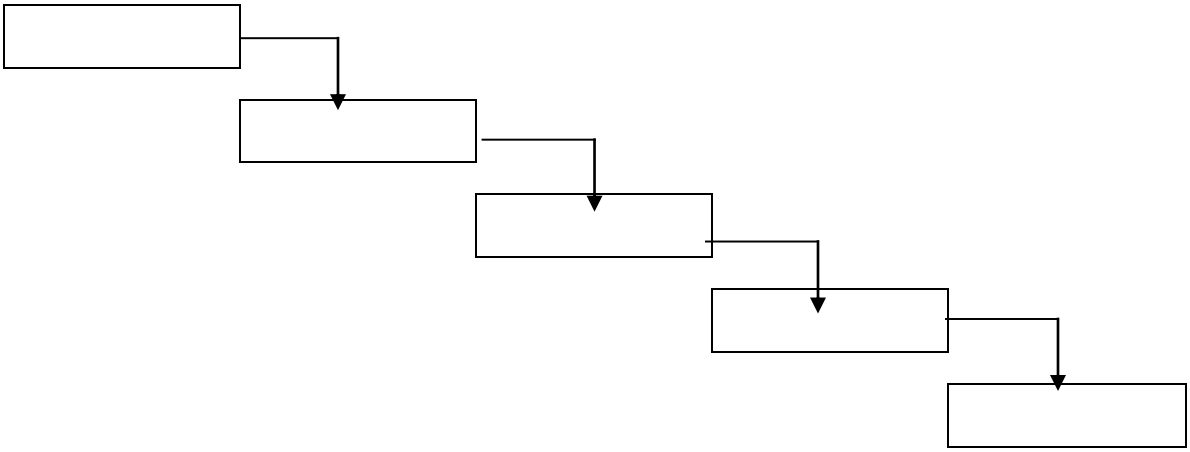
7. What is access time in memory? Which memory works faster based on access time (Primary or secondary)? [3]

Instructions:

In your text, read Pages 60 – 90.

8. On this sheet, draw a clearly labeled diagram that shows all steps in the **Waterfall Model of Software Development. [5]**

The Waterfall Model of Software Development



9. In point form on a separate sheet of paper, answer all of the seven questions on P. 90 of your text. Questions 1, 3 – 7 are worth two (2) marks each. Question 2 is worth 3 marks. **[15]**