Name: Ashwin Gnanam 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.

- 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

Structured programming is a programming style that uses: linear sequencing, repetition, and selection.

b) high-level language

A high-level language may use natural language elements, be easier to use, or may automate significant areas of computing systems, making the process of developing a program easier to understand and execute than lower-level programming languages.

c) program

A computer program is a collection of instructions that performs a task when executed by a computer.

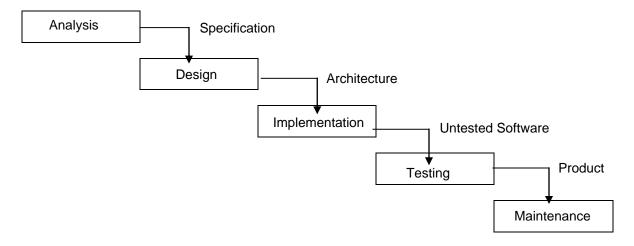
* *	nory is used to permanently store a complete application program? tware applications are installed there) [2]
Write the name of	the hardware component that is described by each statement. [4]
Control Unit	Maintains the order of entire system by directing the data to the appropriate places.
	Permanently stores a copy of the applications.
RAM	Temporarily stores copies of all programs that are currently executed by the CPU.
ROM	Stores computer's start-up instructions.
Describe, using or	ne complete sentence, the function (or purpose) of the accumulator. [2]
An accumulator is a storage of 8-bit data	ne complete sentence, the function (or purpose) of the accumulator. [2] a part of the ALU (Arithmatic-Logic Unit) of a processor. It is used for temporary a and to perform arithmatic operations such as addition, subtraction, on or logical operations like AND, OR, XOR etc. The operation's result is stored
What is access tim (Primary or second	ne in memory? Which memory works faster based on access time dary)? [3]
Access time is the t make it available to	time a program or device takes to locate a single piece of information and the computer for processing.

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]**