

## **Chapter - 10 Programming Concept**

### **1. Fill in the blanks:**

- a. A collection of instructions is called \_\_\_\_\_.
- b. A computer cannot work without a \_\_\_\_\_.
- c. System programmers write programs to control \_\_\_\_\_ components.
- d. Examples of language translators are \_\_\_\_\_ and \_\_\_\_\_.
- e. An application program is used to solve \_\_\_\_\_.
- f. \_\_\_\_\_ is an example of high-level language.
- g. A compiler is a language processor that converts the whole \_\_\_\_\_ program to the machine codes at a time.

### **2. State whether the following statements are true or false:**

- a. A computer programmer can design only system programs.
- b. The machine level language is machine independent.
- c. The compiler can convert a program written in the assembly language to a machine code.
- d. Computers understand only machine language.
- e. The language translator that translates the program written in a high-level language to the machine code statement by statement is called compiler.
- f. Programming is a technique to write a program including different steps to get the desired result.
- g. The interpreter converts the program written in the high-level language line by line.

### **3. Answer the following questions:**

- a. What is programming? Differentiate between system and application programmer.
- b. Define programming language. Write the types of programming languages.
- c. What is a high level programming language? Write its advantages and disadvantages.
- d. What is a machine level programming language? Write its advantages and disadvantages.
- e. What are language processors? Write the use of the interpreter.
- f. Define assembly language. Write its advantages and disadvantages.
- g. Differentiate between compiler and interpreter.
- h. Define fourth generation language. Write advantages and disadvantages of it.

### **4. Write short notes on:**

- a. Machine Language
- b. Programming Language

- c. Second generation Language
- d. Fourth Generation Language

**\*\*\*\*\*End of Chapter-10\*\*\*\*\***