CHAPTER 1
COMPUTER LANGUAGES

I. Fill in the blanks

1. Interpreter
2. Compiler
3. Machine
4. Syntax

II. Choose the correct answer

1. COBOL
2. Machine Language
3. High-level

III. Match the following

Column A	Column B
1. Source Code	High level language program
2. Compiler	Translates all the instructions at once
3. Interpreter	Translates only one instruction at a time
4. Program	A set of instructions
5. Computer language	A system of commands

IV. Answer the following

1.

Compiler	Interpreter
• A compiler is a program that translates all the instruction of a high-level language source program into a machine language object program at once.	• An Interpreter is a program that translates only one instruction of a high-level language source program into a machine language one line at a time.
• The object code produced by the compiler can be permanently saved for future reference.	• The object code produced by the compiler is not saved for future reference.
• It produces faster object program	• It produces slower object program.

2.   Program written in a high-level language is known as **source code**.
High level language program converted into machine language program is known as **object code**.

3. The three types of computer languages are
   • Machine language or Low-level language
   • Assembly Language or Middle level language
   • High-level language.
   •
4. i. C   ii. C++   iii. Java   iv. PHP   v. Ruby

5. In Machine language, each instruction is written in the form of a string of 0s and 1s.

Programs written in machine language can be executed very quickly by the computer because the instructions can be processed directly by the CPU and no translation of program is required.

6.

High-Level Language	Assembly Language
• High level language is machine independent. • Programs written in a high-level language can run on different types of computer.	• Assembly language is machine dependent. • An assembly language program written for one computer cannot be used in any other computer.

Application-Based Questions

Write the following points in the appropriate column.

Compiler	Interpreter
• It produces faster object program • It translates an entire program written in a high-level language into machine language at a time.	• It produces slower object program • It translates a program written in a high-level language into machine language, one line at a time.

WORKSHEET – 1

a. **Find the correct word from the below Jumbled letters**:
   1. Compiler
   2. Low Level
   3. Source Program
   4. Python
   5. Assembler

b. **Who am I?**
   1. Machine Language
   2. Source Program
   3. Interpreter
   4. Syntax
   5. Machine Language

CHAPTER 2
WORKING WITH WINDOWS 7

I. Fill in the blanks
   1. Disk Cleanup.
   2. Device Driver.
   3. Theme.
   4. Device.

II. True or false.
1. False
2. True
3. False

III. Choose the correct option
1. Both A & B
2. Category

IV   Answer the Following

1. A device driver is a program that controls a particular device connected to a computer. If the required device driver program of a device is not installed on the computer that device will not function.

2. When a hard disk is new, the free space on the hard disk is allocated to a file being stored contiguously and so the entire file is stored at one place.
After sometimes, when contiguous storage is not available, a file is stored at different places on the hard disk in small fragments. Fragmentation forces the hard disk to do extra work to read the files. This may slow down the computer significantly.
The disk defragmenter rearranges fragmented data so that the hard disk works more effectively.

3. To change the shape of a mouse pointer follow the steps given below
   a) In the control panel windows, double-click the Mouse option.
   b) The Mouse properties dialog box appears. Select Pointers tab.
   c) Choose a Scheme from the dropdown menu.
   d) The list under the customize heading shows you how the pointers in that scheme look.
   e) You can keep all the mouse pointers in the scheme by clicking ok.
   f) You can assign a mouse pointer of your own choice. Double-click the pointer you want to change and click the browse button.
   g) This will open a Browse a Browse dialogue box with a folder names cursors, which contains all the built in Windows 7 mouse pointers. Select one and click Open.
   h) This will take you back to the Mouse Properties dialogue box. Click ok.

4. You can display all the options available in the control panel by clicking down-arrow of view by option available at the top of the control panel window and choose:
   - **Category**: To view common tasks listed under each category. All commands are grouped in different categories such as System and Security, Programs, Ease of Access, etc.
   - **Large icons**: To view to list of all Control Panel items as large icons.
   - **Small icons**: To view a list of all Control Panel items as small icons.

5. Disk clean-up and Disk Defragmenter are two utility programs used in windows7.
6. The steps for removing unwanted software program from your computer is
   i.   Open the Control Panel window
   ii. Click the Program and Features option.
   iii. The Programs and Features window will open. Select a program which you want to remove and then Uninstall/Change.

Application Based Questions

   a. One of the possible reasons of slowing down the hard disk may be fragmentation. Rohan should run the defragmentation utility program on his hard disk to rearrange the fragmented files.

   b. The four things that Srikant can include in his Theme are – color, sound, mouse pointer, and desktop icons.

   c. This is probably because the device driver for the printer is not installed on her computer. She should install the device driver of the printer on her computer.

   d. Anamika should take the following steps to remove a software from her computer:
   - Open Control Panel window
   - Click programs and features
   - Programs and Features window opens. Select the program to be removed and then click Uninstall/change. It will take some time to uninstall the software from the computer's hard disk.

WORKSHEET – 1

a. Complete the cross word based on the below clue
Across
   1. Cleanup
   2. Theme
   3. Category

Down
   1. Control
   2. Screen

b. Who am I?
   1. Mouse
   2. Device Driver
   3. Programs and Features
   4. Disk Cleanup
   5. Disk Defragmenter

WORKSHEET – 2

Find the correct word from the below jumbled letters
   1. Disk Fragmenter
   2. Control Panel
   3. Plug-and-Play

Identify the name of the below icon
   1. Control Panel
   2. Normal Select
   3. Disk Defragmenter
   4. Disk Cleanup