Dear Students!!

In this e-book of 6th class, study material of computer science is being sent to you as per new syllabus (2023-24). You can easily prepare your test / papers by reading these notes and watching the video lectures given below. Following are the links of the video lectures in blue colour. Watch these video lectures by clicking on the relevant link of chapter to have better understanding of various concepts.

6th Class - Monthly distribution of Computer Science Syllabus & Video Lecture Links (Pbi)

Month	Chapter and its Name	Link of Video Lecture
April	Chapter-1 Introduction to Computers	https://youtu.be/JIAIF6hSapc
May	Chapter -2 Componeents of Computers	https://youtu.be/PnpwPERc5IQ
	Chapter -3 Basics of Working with Computers	https://youtu.be/wcP8JzqhcPI
July	Chapter -4 MS Paint	https://youtu.be/skG2Q93xYWM
Oct	Chapter -5 MS Paint (Part-2)	https://youtu.be/MVxeAyjqNpc
Nov	Chapter -6 Hardware and Software	https://youtu.be/sONg_RSr9Q8
Dec	Chapter -7 Input Devices	https://youtu.be/ildZLh_0QMA
Jan	Chapter -8 Output Devices	https://youtu.be/OUeFcH2_780

Video Lectures for Practical:

Basics of Working with Computers	https://youtu.be/OvtPBBu0nE0
(Booting, Login, Desktop, Shut Down)	

PLEASE DO NOT FORGET TO LIKE, SHARE AND SUBSCRIBE OUR YOUTUBE CHANNEL

▶ YouTube **http://youtube.com/c/computersciencepunjab**

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Please use the following link to download the study material/e-books/e-contents for 6th to 12th classes:

http://cspunjab.nirmancampus.co.in/study.php

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Chapter 2nd
Computer Components

Que:1 Multiple Choice Questions:
1. Which part of computer system accepts input from the user?
A. Input Unit   B. Output Unit   C. Control Unit   D. None of these
2. Which is a part of CPU?
A. Control Unit   B. Memory Unit   C. ALU   **D. All of above**
3. Which memory stores permanent data in computer system?
A. Primary Memory   B. RAM   **C. Secondary Memory**   D. All of above
4. Which is a most powerful type of computer?
A. Mainframe Computer   B. Mini Computer   C. Micro Computer   **D. Super Computer**
5. Which part of computer system gives result as an output to the user?
A. Memory   B. Input Unit   C. Control Unit   **D. Output Unit**
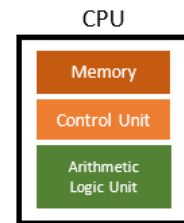
Que:2 Write the full forms:
I.	**ALU**	:	Arithmetic Logic Unit	V.	**ROM**	:	Read Only Memory
II.	**CPU**	:	Central Processing Unit	VI.	**CU**	:	Control Unit
III.	**LCD**	:	Liquid Crystal Display	VII.	**MU**	:	Memory Unit
IV.	**RAM**	:	Random Access Memory	VIII.	**IPO**	:	Input Processing Output

Que:3 Short Answer Type Questions
Q:1 Write the name of parts of CPU.
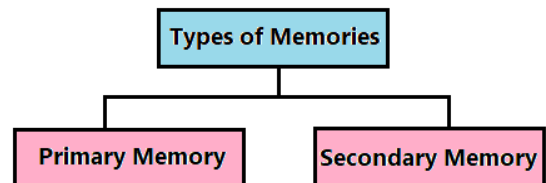**Ans: CPU consists of the following three parts:**
- **Memory Unit (MU)**
- **Control Unit (CU)**
- **Arithmetic Logic Unit (ALU)**

Q:2 What are the types of memories?
Ans: Computer Memories are of following two types:
- **Primary Memory**
- **Secondary Memory**

Q:3 What are Secondary Storage Devices?
Ans: Secondary Storage is also known as Auxiliary Memory. To store data permanently in the computer system, we use secondary storage devices. A processor is not able to access this type of memory directly. Hard Disk, CD, DVD, Pen Drive etc. are the examples of secondary memories.

Hard Disk   DVD   Pen Drive   Floppy Disk

Q:4 What is the function of ALU?
Ans: Full form of ALU is Arithmetic and Logic Unit. It is a core component of CPU. **It performs all the arithmetic and logic related tasks**. **This part is integrated within the "Micro-processor".**

Q:5 What is Micro-Computer?
Ans: Micro Computer is also called Personal Computer. These computers are the most common type of computers that are used now-a-days. The cost of these types of computers is very less. These computers are used in small business, small offices, schools or other workplaces.

Q:6 What are different categories of Computers?

Ans: Following are the common categories of computers:

1. **Micro Computer (Personal Computer)**
2. **Mini Computer**
3. **Main Frame Computer**
4. **Super Computer**

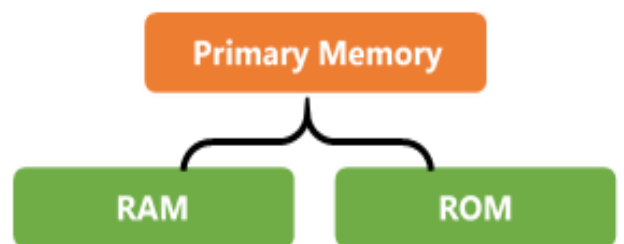Micro Computer   Mini Computer   Main Frame Computer   Super Computer

Que:4 Long Answer Type Questions:
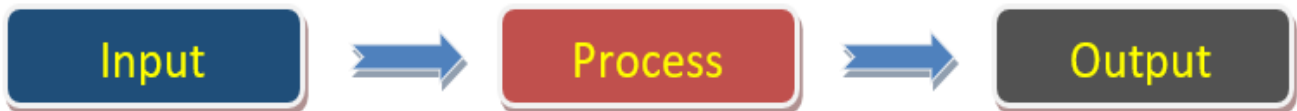
Q:1 Explain Primary Memory and its types.

Ans: Primary Memory is also known as Main Memory. We can not start computer without this memory. There are two types of Primary Memory:

I. **RAM:** RAM stands for Random Access Memory. It is the main memory of compute system. All the data and instructions are to be loaded in this memory for processing. This memory can not store data permanently.

II. **ROM:** ROM stands for Read Only Memory. We can not change the data and instructions stored in this memory. All the instructions to start the computer system are stored in this memory.

Q:2 How Computer Works? Explain each term in detail.

Ans: The way of processing within a computer system is called "Processing Cycle of a Computer". We can represent processing cycle of a computer as given bellow:

Explanation of its various components is given below:

- **Input:** This part of computer is used to accept data and instructions. Keyboard and Mouse are the commonly used input devices for this purpose.
- **Processing:** This part performs operations on data as per the received instructions. Processing is done by the Microprocessor. There are 3 main components of microprocessor: ALU, CU and MU.
- **Output:** This part shows the result after processing. Monitor is the commonly used output device for this purpose.

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