

- **Class-7**
- **Computer**
 - **Ch-1**
- **Computer-Hardware Components**
- **Answer key of Book Work**

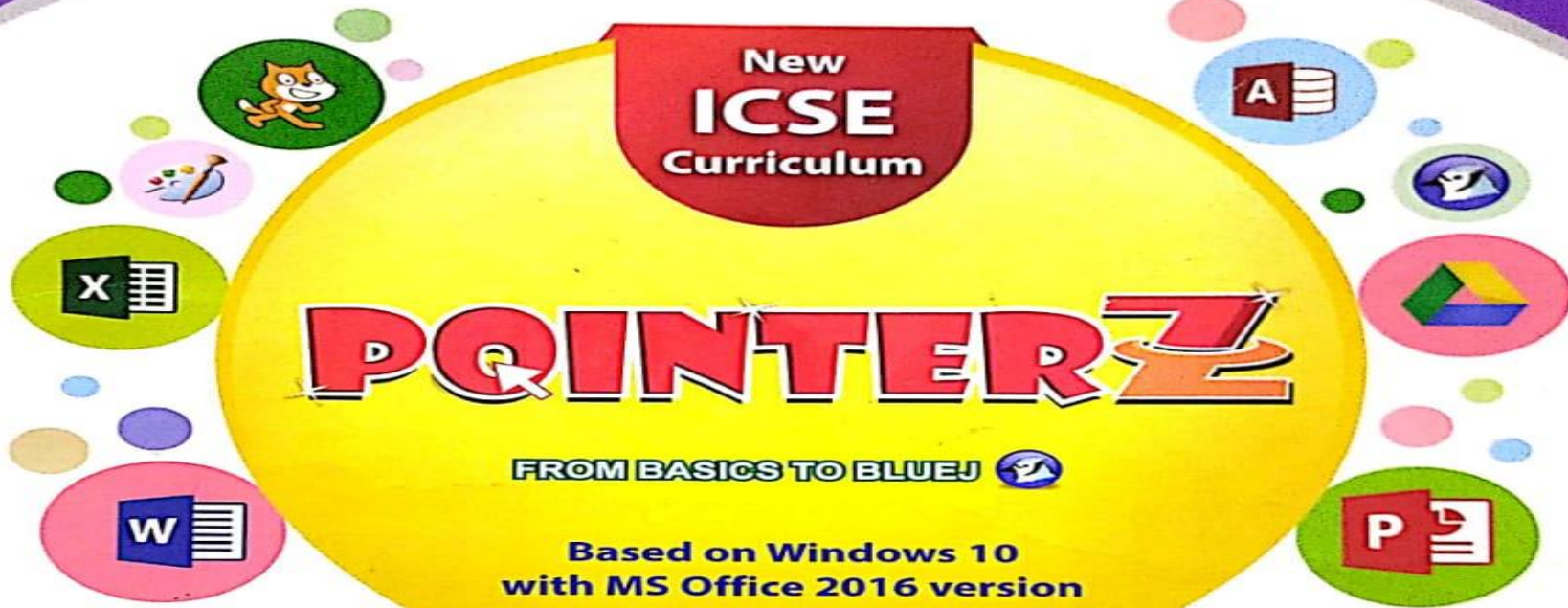


New
ICSE
Curriculum

POINTERZ

FROM BASICS TO BLUEJ

Based on Windows 10
with MS Office 2016 version



FOR TEACHERS



SMART CLASS
SOLUTION SOFTWARE



PRACTISING
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• **FILL IN THE BLANKS: (pg-16)**

- A physical components of a computer which we can touch and feel are known as **hardware**.
- **Motherboard** is the main circuit board of computer that holds the most essential components of the computer system.
- **PCI** serves as a connection between the motherboard and any connected hardware.
- Hard disk is also known as **Winchester** disk.
- The picture on a monitor is made up of thousands small colored dots called **pixels**.

•State True or False (pg-17)

- Hardware and software are **independent** of each other. **False(interdependent)**
- A motherboard is mounted **outside** the CPU cabinet . **False(inside)**
- Parallel port is used for devices that **do not** require high speed transmission . **False**
- Keyboard is one of the most important input device used to input data. **True**
- A digital camera can take only still photographs. **False (A digital camera can take both videos and still photographs.)**

•Application Based Questions(pg-17)

- Riya wants to enter number at a fast pace to perform mathematical calculations. Which type of keys will you suggest her to input the data from the keyboard?
- **Ans- Riya will use Number keys to input the data from the keyboard.**
- Kartika is applying for a graduate engineering program in a university . He wants to e-mail his application along with the copies of his certificates. Which device will he prefer, to create a digital copy of his certificates , to attach with his application?
- **Ans- He will use Scanner device to create a digital copy.**

•Multiple Choice Questions (pg-17)

1. Which of the following is not a storage device?

- (a) **CD_ROM** (b) **DVD** (c) **Plotter**

2. Which among the following types of mouse uses laser technology to detect the motion of the ball?

- (a) **Optical mouse**
(b) **Opto-mechanical mouse**
(c) **None of these**

• Multiple Choice Questions (pg-17)

3. Dot-Matrix is an example of.....printer.

(a) **Impact** (b) Non-impact (c) Manual

4. The data transfer rate of CD-ROM is measured in.....

(a) Rotation per minute (b) **kilobytes per second** (c) none of these.

5. Flash drive is also called.....

(a) **Pen drive**

(b) Thumb drive

(c) All of these

•ANSWER THE FOLLOWING: (pg-17-18)

1. What are the two major components of a computer? Explain them in brief.

Ans: The major components of a computer are:-

(a) Hardware: The physical components of a computer , which we can touch and feel are known as hardware. E.g. Keyboard, Mouse, Monitor etc.

(b) Software:- Set of instructions given to computer to perform specific task. E.g. -Word-pad, Calculator etc.

2. What is a motherboard ? What does it contain?

Ans: A motherboard is the main circuit board of a computer that holds the most essential components of the computer system .

Motherboard contains:

- The processor chip
- BIOS

- **Memory chips**
- **External storage controllers for video display and sound**
- **Expansion slots for connecting additional circuit boards**

3. What is the main unit of computer ? What is its function?

Ans: CPU is the main unit of computer . It controls all the instructions it receives from hardware and software running on a computer.

4. What is a modem ? Mention its type.

Ans: MODEM stands for modulator demodulator. It allows a computer to send or receive information through telephone lines by converting digital data into an analog signals. There are three types of Modem:-

- a) Internal Modem.**
- b) External Modem.**
- c) PC card Modem**

5. Write short notes on the following:

(i) SMPS: SMPS stands for switched-mode power supply. It transfers electric power from a source to low voltage direct current.

(ii) Heat Sink : A heat sink is an electronic device , which is designed to disperse the heat generated by the CPU.

(iii) Parallel Port : It transfers several bits of data together at one time. It is used for devices that requires high speed data transmission such as printers.

(iv) Flash Drive : It is used to transfer audio, video, and data files from hard drive of one computer to another