# UNIT : 6. HARDWARE AND SOFTWARE

**CLASS : VI**

**SUBJECT : SCIENCE**

## I. Choose the correct answer

1. Find out the part that is not found in CPU?

    a. Mother Board        b. SMPS        c. RAM        **d. Mouse**

2. Which of the following is correct?

    **a. Free and Open source**        b. Free and Traditional software

    c. Passive and Open source        d. Passive and Traditional source

3. LINUX is a

    a. Paid Software        b. Licensed Software

    c. Free and Proprietary software    **d. Free and Open source software**

4. Find out Paid and Proprietary software from the given list

    a. Windows      b. MAC OS      c. Adobe Photoshop      **d. All the above**

5. _____is a Operating System

    **a. Android**      b. Chrome      c. Internet      d. Pendrive

## II. Match the following

1. MAC OS        -        Paid and Proprietary Software

2. Software        -        Geogebra

3. Hardware        -        RAM

4. Keyboard        –        Input Device

5. LINUX        –        Free and Open source Software

## III. Short answer

**1. What is Hardware and Software?**

**Hardware:**

- ❖ Hardware is the parts of the computer which we can touch and feel.
- ❖ Hardware includes input and output devices, Cabinet, Hard disk, Mother Board, SMPS, CPU, RAM, CD Drive and Graphics card.

**Software :**

- ❖ Software are programmed and coded application to process the input information.

❖ The software processes the data by converting the input information into coding or programmed language.

❖ Touching and feeling is not possible. But, we can see the functions of the software in the form of output.

## 2. What do you mean by Operating System? How it Works?

❖ System Software (Operating System) is software that makes the hardware devices process the data inputted by the user and to display the result on the output devices like Monitor.

❖ Without the operating system, computer cannot function on its own.

❖ Some of the popular operating system are Linux, Windows, Mac, Android etc.

## 3. What is Free and Open Source Software? Give any two examples?

❖ Free and open software is available at free of cost and can be shared to many end-users.

❖ Free software is editable and customizable by the user and this leads to update or development of new software.

❖ Examples: 1. Linux, 2. Geogebra.