

## General Science - 10th Class General Science English Medium Chapter 9 Short Questions Test

Q1. What is computer.

**Ans 1:** Computer is an electronic machine that receives raw data and process it into useful information under the vien instruction useful information includes.

**Ans 2:** 1- Rearrangement

**Ans 3:** 2- Analysis

**Ans 4:** 3- Explanation

**Ans 5:** 4- Arithmetic and logic solution.

Q2. Define N-type and P -Type semi conductors.

**Ans 1:** N-Type semi conductor : When a pentavalent impurity such as arsenic is added to silicon crystals, then due to this process the number of free electrons in semi-conductor increased. Such a materials is caled N-Type semi conductor. Most of the current flow through N-Type semi conductor is due to free electorn.

**Ans 2:** P-Type Semiconductor: If a trivalent impurity such as aluminium is doped in silicon crystals, then there is a deficiency of an electron in the outermost orbit of silicon atoms. This deficiency of electron is called a hole thus this type of doping increases the number of holes in the semi conductors, Such material is known as P-Type semi conductor. the current throughit is mostly due to the holes.

Q3. Define Scanner

**Ans 1:** Scanner is another impornat input device through which pictures and documents can be fed to the computer intheir original form. This is facilitated much inthe field of publishing.

Q4. What is Mobile Phone.

**Ans 1:** Now -a -days the use of mobile is very common. A mobile phone sends and receive messages through radio waves. It carries a radio transmitter and a receiver inside it.

Q5. What are radio waves.

**Ans 1:** Sound waves require certain medium for the propagation to reach our ears.

**Ans 2:** Radio waves are electromagnetic waves. This frequency ranges between 10 Hz and 10 KhZ and their speed is that of light Radio waves are also caled carries waves, because these are used to carry radio and T.V.transmission from one place to another.

---

Q6. What is floppy disk and Hard Disk.

**Ans 1:** Floppy disk : Soft plastic disk for digital recording is called floppy disk.

**Ans 2:** Hard Disk: Disk consisting of metal plates for digital recording is called hard disk.

---

Q7. Define Doping

**Ans 1:** Semi-conductors are made more useful by increasing their conductivity. This is done by adding some quantity of trivalent or pentavalent atoms as impurity while growing the crystals of silicon or germanium. This process is called doping.

---

Q8. Name some used of semi-conductor diode.

**Ans 1:** 1- Rectifier

**Ans 2:** 2- Light emitting diode

**Ans 3:** 3- Photo diode

---

Q9. Write the name of four information storage devices.

**Ans 1:** 1- Audio and Video cassettes

**Ans 2:** 2- Compact disks

**Ans 3:** 3- Floppy disks

**Ans 4:** 4- Hard disks

---

Q10. What is electronics.

**Ans 1:** Electronics: "Electronics is the knowledge of behaviour and control of electric current." Electronics uses electric current to convert information into signals. These signals could be of sound, picture, number of other information.

---