

**BCM SCHOOL BASANT AVENUE, DUGRI ROAD, LUDHIANA**

**Class VI**

**SCIENCE**

**Assignment 2**

**Case Study**

We cannot move some joints between bones in our head. Such joints are called fixed joints. There is a joint between the upper jaw and the rest of the head which is a fixed joint. All the bones in our body form a framework to give a shape to our body. This framework is called the skeleton. We can have some idea about the shape and number of bones in some parts of our body by feeling them. One way we could know this shape better would be to look at X-Ray images of the human body. Sometimes when we are hurt, or have an accident, doctors use these X-ray images to find out about any possible injuries that might have happened to the bones. The X-Rays show the shapes of the bones in our bodies. Our wrist is flexible because it is made up of several small bones called carples.

Take a deep breath and hold it for a little while. Feel your chest bones and the Back bone by gently pressing the middle of the chest and back at the same time. We see that the ribs are curiously bent. They join the chest bone and the backbone together to form a Box. This is called the rib cage. There are 12 ribs on each side of chest. Some important internal parts of our body lie protected inside this cage. Backbone is made up of many small bones called vertebrae. The backbone consists of 33 Vertebrae. The rib cage is joined to these bones.

**Que.1) Human wrist is made up of small bones called .....**

- a) Vertebrae
- b) Rib bones
- c) Carples
- d) None of the above

**Que.2) Our backbone consists of ..... vertebrae.**

- a) 24
- b) 12
- c) 38
- d) 33

**Que.3) Through X-ray images we can see the shape of the bones?**

- a) True
- b) False



**Que.4) What is a Rib cage? Mention its function?**

**Que.5) Define the term skeleton?**

**II. The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.**

- (a) Both A and R are true and R is the correct explanation of A.**
- (b) Both A and R are true but R is not the correct explanation of A.**
- (c) A is true but R is false.**
- (d) A is false but R is true.**

- 1. Assertion (A): A compass is a magnetic device that is used by sailors to find directions.**

**Reason (R): The sailor can find directions by use of dial of magnetic compass even if there is no magnetic needle fixed in the compass.**

- 2. Assertion (A): When we look into the mirror, we see our own face inside the mirror.**

**Reason (R): Mirror is made of a transparent substance that allows the light to pass through it.**

**III. Answer the following**

- 1. Classify the following into transparent, opaque and translucent objects:  
Wax, spectacles, a heap of salt, a stone, dense smoke, wood, skin, balloon, rubber, membrane of a tabla, blood and milk.**
- 2. Can we isolate north-pole or south-pole?**
- 3. What are floating ribs?**