

## A. MULTIPLE CHOICE QUESTIONS

1. The body part used by the snail for locomotion is
  - a. Shell
  - b. Muscular foot
  - c. Both a and b
  - d. Head
2. Which of the following systems is made up of Bones and Cartilage
  - a. Muscular system
  - b. respiratory system
  - c. Digestive system
  - d. Skeletal System
3. The joint in which the rounded end of one bone fits into the cavity of the other is-
  - a. Fixed Joint
  - b. Pivot Joint
  - c. Ball and socket joint
  - d. Hinge Joint
4. The bony layer that protects the brain is called
  - a. Skull
  - b. Muscles
  - c. Backbone
  - d. None of the above
5. How many muscles work together to move a bone
  - a. One
  - b. Two
  - c. Three
  - d. Four

## B. Provide one word answers to the statements given below:

- a. Joint which allows movement in all the directions
- b. Hard structure that forms the skeleton
- c. Part of the skeleton that forms the earlobe
- d. The bony structure that surrounds the spinal cord
- e. Helps in the movement of the body by contraction and relaxation.

C. Write the type of joint which is used for each of the following movements -

1. A cricket bowler bowls the ball
2. A girl moves her head in right and left directions
3. When you sit on a chair

D. Answer the following

1. How is movement of a snail different from that of an earthworm?
2. List two adaptations in birds which help them to fly?
3. Bones are hard structures that cannot be bent. But still we can bend our elbow, Knee etc. How is it possible?

E. CASE BASED QUESTION 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 carpels. 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.

1. Human wrist is made up of small bones called \_\_\_\_\_
2. Our backbone consists of ..... vertebrae.
3. Why are X-Rays used?
4. What is a Rib-Cage? Mention its functions?
5. Define the term Skeleton