

## Ch- 3 Bones and muscles

### B. Give short answers.

1. What provides shape and support to the body?

Ans. Skeleton provides shape and support to the body.

2. Which organ is protected by the backbone?

Ans. Spinal cord is protected by the backbone.

3. Name the longest bone of the body.

Ans. Femur is the longest bone of the body.

4. Which joint allows movement in back and forth direction?

Ans. Hinge joint allows movement in back and forth direction.

5. Which kind of muscle move at our will?

Ans. Skeletal muscle move at our will.

### C. Answer the following questions.

1. Why is skeleton necessary?

Ans. Skeleton is necessary as it provides shape and support to our body. Without it our body system would not be able to stand.

2. What are involuntary muscles?

Ans. Muscles that move without our will are called involuntary muscles.

3. What is a joint?

Ans. A place where two bones are joined together in our body is called joint.

4. Mention four functions of skeleton.

**Ans. Four functions of skeleton are as follows:-**

- a. It provides shape and support to our body.**
- b. It protects our soft and delicate internal organs.**
- c. It allows movement of different body parts.**
- d. It contains bone marrow where our blood cells are prepared.**

**D. Differentiate between**

**1. Movable and immovable joints.**

**Movable joints**

- a. These joints provide free movement to the body.**
- b. These joints are found in our elbow, shoulder, knee etc.**
- c. They have cartilage between them.**

**Immovable joints**

- a. These joints do not allow any movement.**
- b. These joints are present between the bones of the skull.**
- c. They do not have cartilage between them.**

**2. Cardiac muscles and skeletal muscles**

**Cardiac muscles**

- a. These muscles are present only in the heart.**
- b. They are not under our control.**

**Skeletal muscles**

- a. These muscles are found in arms, legs, eyes, tongue etc.**
- b. They are under our control.**