

EXERCISE

OBJECTIVE TYPE

- Number of bones present in vertebral column in human
(A) 26 (B) 36
(C) 34 (D) 29
- Joint which allows movements only in one plane is known as :
(A) Ball & socket joint
(B) Gliding joint
(C) Pivot joint
(D) Hinge joint
- Tissue which connect bone to muscle is known as
(A) Muscle (B) Ligament
(C) Tendon (D) Neuron
- Appendicular skeleton is made up of
(A) Girdles (B) Hind limb bones
(C) Fore limb bones (D) All
- Fixed or immovable joints is present in
(A) vertebrae (B) shoulder joint
(C) skull bones (D) knee joint
- Which can do skeletal & muscular movement both ?
(A) Earthworm (B) Snail
(C) Fish (D) Cockroach
- Total number of ribs in human body
(A) 10 pairs (B) 11 pairs
(C) 12 pairs (D) 13 pairs

- Wings are modified
(A) Limbs (B) Forelimbs
(C) Hind limbs (D) None of these
- Pectoral girdle is present in
(A) Hand (B) Shoulder
(C) waist (D) Leg
- Which of the following type of joint is present in our neck ?
(A) Ball & Socket (B) Hinge
(C) Fixed (D) Pivot

SUBJECTIVE TYPE

- Define movement.
- Name various parts of axial skeleton.
- What are joints ? Describe the types of joints.
- Describe the movement in birds and how it is differ from insect flight.
- How can fish swim in water ?

ANSWER KEY

- | | | | | | | | |
|----|---|-----|---|----|---|----|---|
| 1. | A | 2. | D | 3. | C | 4. | D |
| 5. | C | 6. | C | 7. | C | 8. | B |
| 9. | B | 10. | D | | | | |

EXERCISE**MULTIPLE CHOICE QUESTIONS**

1. Which of the following parts of our body help us in movement?
(i) Bones (ii) Skin (iii) Muscles (iv) Organs
Choose the correct answer from the option below.
(a) (i) and (iii) (b) (ii) and (iv)
(c) (i) and (iv) (d) (iii) and (ii)
2. Which of the following joints is immovable?
(a) Shoulder and arm (b) Knee and joint
(c) Upper jaw and skull (d) Lower jaw and upper jaw
3. Which of the following organisms does not have both muscles and skeleton for movement?
(a) dog (b) snail (c) earthworm (d) human being
4. Underwater divers wear fin-like flippers on their feet to
(a) swim easily in water. (b) look like a fish.
(c) walk on water surface. (d) walk over the bottom of the sea (sea bed).
5. Snail moves with the help of its
(a) shell (b) bone (c) muscular foot (d) whole body
6. How many muscles work together to move a bone?
(a) One (b) Two (c) Three (d) Four

VERY SHORT ANSWER QUESTIONS

7. Name the type of joint of your hand which help you to grasp a badminton racquet.
8. What would have happened if our backbone was made of one single bone?
9. Provide one word answers to the statements given below.
 1. Joint which allows movement in all directions.
 2. Hard structure that forms the skeleton.
 3. Part of the body with a fixed joint.
 4. Help in the movement of body by contraction and relaxation.
 5. Bones that join with chest bone at one end and to the backbone at the other end.
 6. Framework of bones which gives shape to our body.
 7. Bones which enclose the organs of our body that lie below the abdomen.
 8. Joint where our neck joins the head.
 9. Part of the skeleton that forms the earlobe.
10. Write the type of joint which is used for each of the following movements:
 - (a) A cricket bowler bowls the ball.
 - (b) A girl moves her head in right and left direction.
 - (c) A person lifts weights to build up his biceps.

SHORT ANSWER QUESTIONS

11. Match the name of the animals given in **Column I** with its body parts used for movement given in **Column II**.

Column I
(a) Humanbeing
(b) Cow
(c) Snake
(d) Engle
(e) Fish

Column II
(i) Fins
(ii) Wings
(iii) Legs
(iv) Whole Body
(v) Limbs

12. Given below is a list of different types of movements in animals.

**Running, Jumping, Walking, Slithering,
Crawling, Flying, Swimming, Creeping**

Write the types of movements seen in each animal.

- | | |
|------------------|---------------|
| (a) Duck | (b) Horse |
| (c) Kangaroo | (d) Snail |
| (e) Snake | (f) Fish |
| (g) Human beings | (h) Cockroach |
13. Boojho fell off a tree and hurt his ankle. On examination the doctor confirmed that the ankle was fractured. How was it detected?
14. Bones are hard structures and cannot be bent. But, we can still bend our elbow, knee, etc. How is this possible?
15. Which type of movement would have been possible if
(a) our elbow had a fixed joint.
(b) we were to have a ball and socket joint between our neck and head.
16. Earthworms are known as 'farmer's friends'. Why?

LONG ANSWER QUESTIONS

17. (a) Unscramble the jumbled words and write them in the blank spaces provided.
 (i) neosb (v) arctigeal
 (ii) tnemevom (vi) epahs
 (iii) iontcaronct (vii) sangro inerlan
 (iv) lsecsum (viii) laxaerfont
- (b) Read the following paragraph and fill in the blanks using the words you unscrambled.
 _____ (a) _____ and _____ (b) _____ form the skeleton of the human body. They provide the framework, give _____ (c) _____ to the body and help in _____ (d) _____. They protect the _____ (e) _____. The bones are moved by alternate _____ (f) _____ and _____ (g) _____ of two sets of _____ (h) _____ attached to them.
18. How is the skeleton of a bird well-suited for flying?
19. In Fig. 3.2 there are two snakes of the same size slithering on sand. Can you identify which of them would move faster and why?

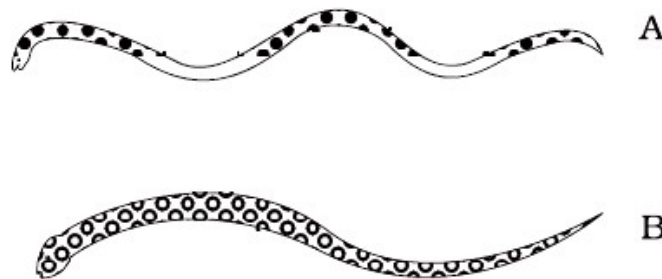


Fig. 3.2