

Board – ICSE

Class – 9

Topic – Skeleton System

1. Answer the following questions:
  - (a) Bone which protects the delicate brain.
  - (b) Name the structure that acts as a cushion between two vertebrae.
  - (c) What is another name of knee cap?
  - (d) Which type of joint is seen between bones of fingers.
2. Classify various types of joints found between bones
3. What are antagonistic muscles, explain with one example.
4. Fill in the blanks
  - (a) \_\_\_\_\_ fluid present at knee provide lubrication.
  - (b) \_\_\_\_\_ attach a bone to a muscle.
  - (c) \_\_\_\_\_ joint occurs between bones of the wrist.
  - (d) \_\_\_\_\_ is the longest and strongest bone.
5. Mark the statement with true and false, also specify the reason for false statement.
  - (a) Shoulder pectoral girdle consists of two flat triangular scapulae.
  - (b) Thoracic vertebrae are five in number.
  - (c) Bone consists of bone cells called as Osteocytes
  - (d) Yellow bone marrow made up of adipose tissue and forms white blood cells.
6. Describe the following terms:
  - (a) Decalcified bone
  - (b) Foramen magnum
  - (c) Hinge joint
  - (d) Lever mechanism in elbow during extension of arm.
7. Describe the functions of bone.
8. Give the significance of yellow and red bone marrow.
9. Name the first and second cervical vertebrae.
10. Enumerate all the vertebrae with their numbers
11. Give the difference between true ribs and floating ribs.
12. Give difference between male and female skeleton.
13. Explain the structure of vertebra
14. Name the following:
  - (a) Large hole in cranium, from which spinal cord emerges

- (b) Smallest bones of body.
  - (c) Structure that binds bone to bone.
  - (d) Structure that covers the end of bones to prevent friction between two bones.
15. Fill in the blanks:
- (a) \_\_\_\_\_ presents in the finger and toes of legs.
  - (b) Skull box is an example of \_\_\_\_\_ joint
  - (c) \_\_\_\_\_ is the cavity in which head of thigh- bone fits.
  - (d) 11<sup>th</sup> and 12<sup>th</sup> pair of ribs is called as \_\_\_\_\_ ribs.
16. Explain the structure of pectoral girdle.
17. Give difference between following terms.
- (a) Pelvic and Involuntary muscles
  - (b) Tendon and ligament
  - (c) Voluntary and Involuntary muscles
  - (d) Bone and cartilage
18. Give below is the diagram of human skeleton system. Label all the bones.
19. What is the function of synovial fluid?
20. Name the covering of external bone surface.