



BIOLOGY

BOOKS - ICSE

SKELETON : MOVEMENT AND LOCOMOTION

1 Mark Questions

1. First seven ribs attach to the sternum are called :

A. False ribs

B. True ribs

C. Incomplete ribs

D. Floating ribs

Answer: B



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2. The longest and strongest bone of human body:

A. Humerus

B. Radius - ulna

C. Femur

D. Tibia

Answer: C



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3. Human skeleton consists of

A. 180 bones

B. 206 bones

C. 200 bones

D. 218 bones

Answer: B



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4. The rotator movement of the head from side to side over the vertebra is due to the :

A. Gliding joint

B. Fibrous joint

C. Ball and socket joint

D. Pivot joint

Answer: D



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5. Number of sacral vertebrae in children are

A. 6

B. 2

C. 7

D. 5

Answer: D



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6. The type of joint found at shoulder is also found at

A. Knee

B. Hip

C. Elbow

D. Ankle

Answer: B



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7. Which of these are the 6 bones?

A. Metacarpals

B. Neck vertebrae

C. Ear ossicles

D. Carpals

Answer: C



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8. Correct the statements by changing the underlined word :

Axis is the first cervical vertebra.



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9. What is the chief component of our skeleton?



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10. What is a bone marrow?



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2 Marks Questions

1. Give an example for each of the following:

A forelimb bone



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2. Give an example for each of the following:

A synovial joint



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3. Biceps and (A) are (B) muscles causing opposing movements



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4. What is the difference between a true rib and a floating rib?



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5. Mention the exact location : Sternum



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6. Mention the exact location : Atlas



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7. Name the following : A large hole at the back of the cranium through which the spinal cord passes.



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8. Name the following : The joint present between the vertebrae in the vertebral column.



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9. What is acetabulum and where is it located?



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3 Marks Questions

1. Given below are sets of five terms each.
Rewrite the terms in a logical sequence
beginning with the word that is underlined:

Lumbar, Cervical, Coccyx, Sacrum, Thoracic



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2. Given below are sets of five terms each.
Rewrite the terms in a logical sequence
beginning with the word that is underlined:

Metacarpals, Radius , Humerus, Carpals ,
Phalanges



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3. Given below are sets of five terms each. Rewrite the terms in correct order in a logical sequence beginning with the term that is underlined.

Patella, Tibia, Femur, Acetabulum, Tarsal



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4. Given below are sets of five terms each. Rewrite the terms in correct order in a logical

sequence beginning with the term that is underlined.

Vertebral column, Ribs, Skull, Sternum, Pelvic girdle



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5. Given below are sets of five terms each. Rewrite the terms in correct order in a logical sequence beginning with the term that is underlined.

Metatarsals, Tarsals, Phalanges, Tibia, Femur



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6. Given below are sets of five terms each. Rewrite the terms in correct order in a logical sequence beginning with the term that is underlined.

Femur, Metatarsals, Phalanges, Tarsals, Fibula



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7. What is a joint? Give one example of an immovable joints.



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8. Give appropriate biological / technical terms for the following:

The last part of the backbone.



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9. What is the lubricating fluid around a movable skeletal joint called?



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10. Give appropriate biological / technical terms for the following:

Ribs that do not attach to the sternum.



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11. Give appropriate biological / technical terms for the following:

A circular bone found in knee cap.



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12. Give appropriate biological / technical terms for the following:

Bone that forms fingers of the hand.



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13. Give appropriate biological / technical terms for the following:

Part of skeletal system that lies at the upper end of vertebral column



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14. Name the parts of the skeleton where the following are located:

Transverse process



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15. Name the parts of the skeleton where the following are located:

Shoulder blade



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16. Name the parts of the skeleton where the following are located:

Glenoid



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5 Marks Questions

1. Choose the ODD one out from the following terms given and name the CATEGORY to which

the others belong :

Ilium, Sacrum, Ischium, Pubis



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2. Choose the ODD one out from the following terms given and name the CATEGORY to which the others belong :

Humerus, Scapula, Radius, Ulna, Carpal



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3. Choose the ODD one out from the following terms given and name the CATEGORY to which the others belong :

Ulna, Gliding, Hinge, Pivot, Ball and Socket



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4. Choose the ODD one out from the following terms given and name the CATEGORY to which the others belong :

Femur, Tibia, Tarsals, Patella, Ulna





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5. Choose the ODD one out from the following terms given and name the CATEGORY to which the others belong :

Pectoral girdle, Forelimb, Pelvic girdle, Skull,
Hindlimb



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6. Complete the following paragraph by filling in the blanks (i) to (x) with appropriate words:

The hind limb consists of a long bone (i).....
in the thigh, two long bones, the inner (ii)
and the outer (iii) in the shank, seven
(iv) bones in the ankle, five long (v)
..... bones in the middle of the foot, and
fourteen (vi) in the toes. The forelimb
consists of a long bone (vii) in the upper
arm, and two long bones (viii) and (ix)
in the lower arm. The wrist has eight bones
called (x)



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7. Complete the following paragraph by filling in the blanks (i) to (x) with appropriate words:

Total number of bones in human body is (i)..... . Hip joint is an example of a (ii)

Humerus, radius, and (iv) are bones of the (v) Gliding joint is an example of a (vi) joint. There are (vii) pairs of ribs in a human, of these (viii) are floating ribs. The smallest bone in the body are (ix) and (x)..... Femur joins with the (xi) girdle.



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8. Study the diagram and answer the questions that follow :



Label the parts 1-5.



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9. Study the diagram and answer the questions that follow :

Explain the function of part 3.



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10. Study the diagram and answer the questions that follow :



How do muscles get attached in this structure?



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11. Study the diagram and answer the questions that follow :



Name the central hollow opening through which spinal cord passes.



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12. Study the diagram and answer the questions that follow :



Name the structure which is flat on both sides.



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13. Given below are four structure. Study the same and answer the questions given below:

and answer the questions given below :



A



B



C



D

Name the structures labelled as A, B, C, and D.



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14. Give below are four living organisms. Study the same and answer the questions given below :



State the organ where structure B is found.



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15. Given below are four structure. Study the same and answer the questions given below:

and answer the questions given below :



A



B



C



D

Name the special finger-like projection present in structure .A..



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16. Give below are four living organisms. Study the same and answer the questions given below :



Name the fluid which acts as a lubricant to reduce friction.

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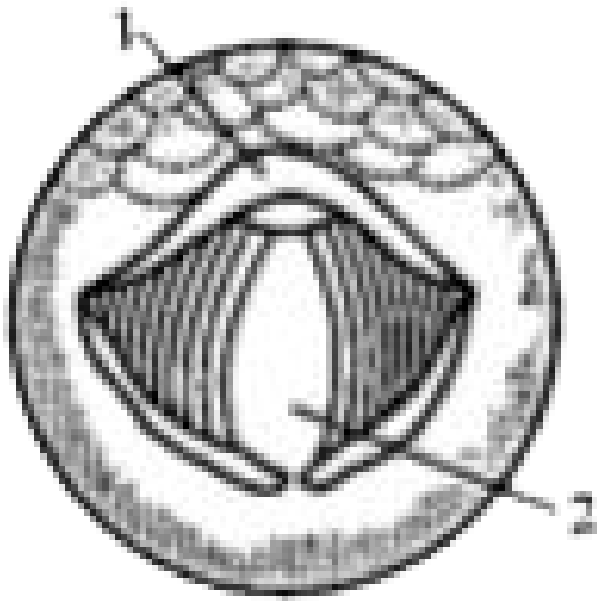
17. Give below are four living organisms. Study the same and answer the questions given below :



Draw a neat, labelled diagram of a synovial joint

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18. Study the diagram given below and answer the questions that follow:



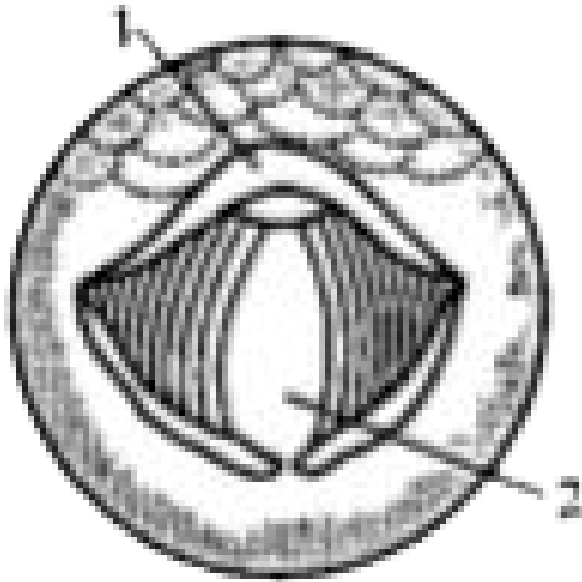
Name the structure shown in the diagram.

State in which part of the body it is present.



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19. Study the diagram given below and answer the questions that follow:

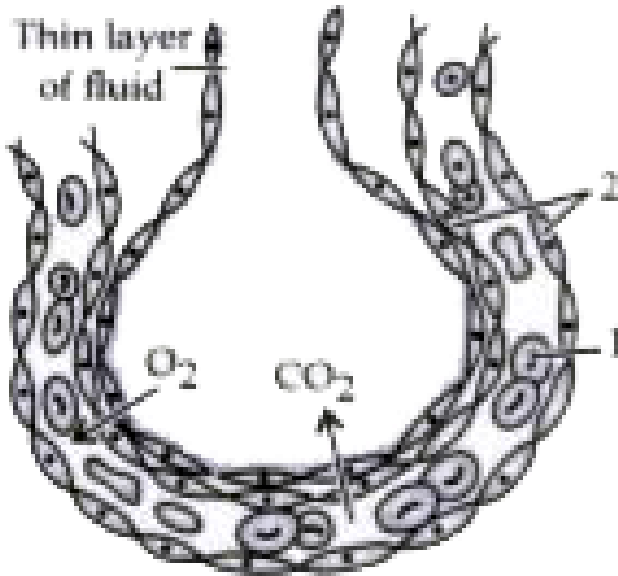


Write the basic function of this structure.



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20. Study the diagram given below and answer the questions that follow :



Label the parts numbered as 1 and 2.



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21. Study the diagram given below and answer the questions that follow :



Name the strong, flexible, and thick bundle running parallel inside the structure.



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22. Study the diagram given below and answer the questions that follow :



How is this structure helpful in holding the bone in its position?



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23. (i) Draw a neat and labelled diagram of pectoral girdle with arm.

(ii) Based on the diagram drawn above in (i), give a suitable term for each of the following descriptions :

1. Curved anterior bone of the shoulder (pectoral) girdle in vertebrates.

2. A shallow cavity of scapula that articulates with the head of the humerus.
3. Part of the skeleton that helps to articulate the limb bones to the main skeleton
4. Total number of bones present in the human body.
5. A long bone of the upper arm that articulates with the glenoid cavity of the scapula.
6. Irregular, small bones that look like pebbles and are present in two layers.
7. A large cup-shaped articular cavity of the hip

bone which fits the large, round head of the thigh bone.



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