

Board – CBSE

Class – 11

Chapter – Locomotion and Movement

1. What is locomotion?
2. List functions of the skeleton in higher animals?
3. Why do skeletal muscles show striation?
4. How many bones are present in each limb?
5. Write the differences between.
 - (a) Actin and Myosin
 - (b) Red and White muscles
 - (c) Pectoral and Pelvic girdle
6. What causes gouty arthritis in humans?
7. How many types of movement are shown by the human body?
8. What are neuromuscular junctions?
9. List the name of the human body cell/tissues that:
 - a) Display amoeboid movement
 - b) Display ciliary movement
10. How is locomotion different from movement?
11. How many tarsals are there in the ankle?
12. Name the lubricant which is responsible for the movable joint at the shoulder.
13. What is the function of girdles?
14. Name the cell referring to sarcoplasm, sarcoplasmic reticulum, and sarcolemma. Also, list the parts of cells that refer to these names.
15. Name the major components of the appendicular skeleton.
16. Give differences between movable and immovable joints?
17. What is the sarcoplasmic reticulum? What is its function?
18. Name the type of joint between the following:
 - (a) Atlas/Axis

- (b) Carpals/metacarpals of the thumb
- (c) Between phalanges
- (d) Femur/acetabulum
- (e) Between cranial bones
- (f) Between pubic bones in the pelvic girdle

19. State the difference between the matrix of bones and cartilage.
20. What is osteoporosis? Name two factors which are responsible for osteoporosis.
21. Give differences between red and white muscle fibers, other than color.
22. What makes the synovial joints freely movable? List any four types of synovial joints.
23. What are the three types of muscle tissue? Write two characteristic points about the structure of each of them?
24. Explain the initiation of muscle contraction. What is the role of sarcoplasmic reticulum, Myosin head and F-actin during contraction in striated muscles?
25. Represent diagrammatically a sarcomere and label its parts. Which of these parts shorten during muscle contraction?