

Topic :-Locomotion & Movement

- Slow muscle fibres are found in
 - Eye
 - Leg
 - Stomach
 - Heart
- Decreased level of oestrogen in human body leads to
 - Myasthenia gravis
 - Muscular dystrophy
 - Osteoporosis
 - Gout
- Sarcomere is a
 - Functional unit of contraction
 - Portion of myofibril present in between two M-lines
 - Complete bundle of muscles
 - Portion of myofibril present in between two A-bands
- I-bands of myofibrils are bisected by
 - A-bands
 - H-zone
 - Z-lines
 - M-lines
- In which of the following, growth is possible through increase in volume?
 - Cartilage
 - Striated muscle
 - Never fiber
 - Lens of eye
- First vertebrae in human is called
 - Axis
 - Atlas
 - Lumber
 - Cervical
- Consider the following statements.
 - In man, vertebral column has 33 bones organized as 28 bones.
 - Pelvic girdle is made up of two fused bones only.
 - Osteoporosis is characterized by micro-architectural deterioration of the bone.
 - I is correct
 - II is correct
 - III is correct
 - I is incorrect
- Bones of the limbs along with their girdles constitutes the
 - Apendicular skeleton
 - Axial skeleton
 - Apex skeleton
 - Axis skeleton
- Hydra* can use its tentacles for
 - Capturing its prey
 - Locomotion
 - Digestion
 - Both (a) and (b)
- Which one of the following is wrongly matched?

- a) Myosin-Contractile protein
c) Smooth muscle- Involuntary muscle
- b) Tendon- Connective tissue
d) Red muscle- Myoglobin
11. Hinge joint is present between
a) Humerus and ulna
c) Humerus and pelvic girdle
- b) Femur and pectoral girdle
d) All of the above
12. In the body, the membrane surrounding the bone is known as
a) Periosteum b) Endosteum c) Perichondrium d) Chondrocytes
13. Which of the following is a part of pectoral girdle?
a) Ilium b) Ischium c) Acetabulum d) Glenoid cavity
14. The joint of femur, with pelvic girdle is
a) Hinge joint
c) Non-movable joint
- b) Pivot joint
d) Ball and socket joint
15. Which one is wrongly matched?
a) Tendon – Connective tissue
c) Red muscle – Myoglobin
- b) Smooth muscle – Involuntary muscle
d) Troponin – Fibrous protein
16. Which of the following statements are wrong with reference to muscles?
I. Cardiac fibres are branched with one or more nuclei
II. Smooth muscles are unbranched and cylindrical
III. Striated muscles never performs anaerobic respiration
IV. Cardiac muscles are non-striated
Correct option with all wrong statements is-
a) II and III b) I and IV c) III and IV d) I and III
17. Cytoplasmic streaming movement is the characteristic of
a) Prokaryotes b) Eukaryotes c) Virus d) All of these
18. Olecranon fossa is present over
a) Scapula b) Ulna c) Radius d) Humerus
19. In which of the following condition, progressive degeneration of skeletal muscles happens?
a) Myasthenia gravis b) Muscular dystrophy c) Tetany d) Arthritis
20. Gout happens due to accumulation of is joints
a) Glucose crystals b) Uric acid crystals c) Urea crystals d) Ammonia crystals