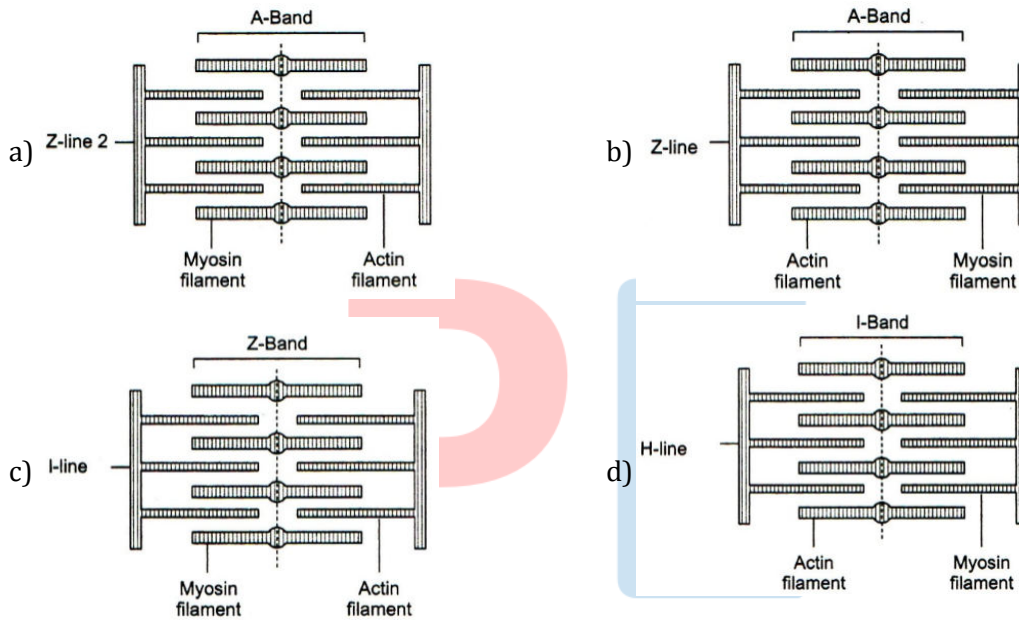


Topic :-Locomotion & Movement

1. Identify the correctly labeled diagram



2. Number of tarsals, metatarsals and phalanges in human skeleton is
 a) 7,5,14 b) 8,5,14 c) 9,5,14 d) 5,6,7
3. Human skull is
 a) Monocondylic b) Dicondylic c) Procoelous d) Heterocoelous
4. In the thin filament of skeletal muscle fibre, a small globular protein that masks the active sites on the F-actin, is
 a) G-actin b) Actin c) Tropomyosin d) Troponin
5. Haversian canal is found in the bone of
 a) Mammals b) Reptiles c) Aves d) Pisces
6. Identify the synovial joints among the given articles
 I. Ball and socket
 II. Hinge joint

III. Pivot joints

IV. Sutures of skull

V. Vertebral joints

Select the option containing correct articles

- a) I, II, III and IV b) I, III, IV and V c) II, III, IV and V d) I, II and III
7. Atlas and axis are joined by
a) Hinge joint b) Pivot joint c) Saddle joint d) None of these
8. The number of cervical vertebrae present in giraffe is
a) 14 b) 5 c) 4 d) 12
9. Each myofibrils of muscles contains
a) Regular dark bands b) Regular light bands
c) Both (a) and (b) d) Alternate dark and light bands
10. Functional unit of skeletal muscle is called
a) Sarcomere b) Twitch c) Z-band d) None of these
11. Globular head with a short arm and a tail are the two imperfect part of
a) F-actin b) G-actin c) Tropomyosin d) Meromyosin
12. In rabbit, end of a long bone is connected to another by
a) Tendon b) ligaments c) Muscle d) Cartilage
13. Synsacrum of fowl consists of about
a) 29 vertebrae b) 3 vertebrae c) 16 vertebrae d) Single vertebrae
14. Actin and myosin filaments of muscles are also called
a) Thick and thin filaments respectively
b) Thin and thick filaments respectively
c) Black and white filaments respectively
d) White and black filaments respectively
15. A sarcomere in the myofibrils of muscle is found in between
a) 2 M-lines
b) 2 Z-lines
c) 2 H-lines
d) 2 A-bands
16. Identify the muscle which represents the following characteristics and choose the correct option accordingly
I. Transportation of food through the digestive tract

II. Transportation of gametes through the genital tract

- a) Skeletal muscles b) Visceral muscles c) Cardiac muscles d) Striated muscles

17. Middle ear contains three tiny bones

- I. Maxillae II. Malleus
III. Incus IV. Stapes
V. Vomer

- a) I, II and III b) II, III and IV c) III, IV and V d) I, II and V

18. I. Myoglobin in very less quantity

- II. Appear pale or whitish
III. Mitochondria are very few
IV. Sarcoplasmic reticulum in large quantity

Given characteristics of muscles fibres be long to

- a) White fibres b) Green fibres c) Red fibres d) Pink fibres

19. Which ion binds with troponin during muscle contraction?

- a) HCO_3^- b) Ca^{2+} c) Cl^- d) Na^+

20. Muscle contraction is initiated by the signal sent by

- a) CNS b) PNS
c) ANS d) Neutral transmitters

