

Class : XIth
Date :

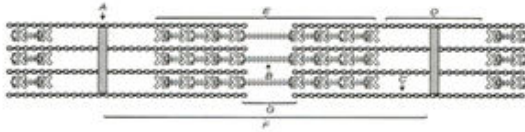
Subject : BIOLOGY
DPP No. : 9

Topic :-Locomotion & Movement

- Haversian canals are found in
 - Internal ear of mammal
 - External ear of mammal
 - Long bone of rabbit
 - Spinal cord
- What is the purpose of locomotion performed by animals?
 - Search of food
 - Search of shelter
 - Search of mate
 - Search of suitable breeding grounds
 - Search of favourable climate conditions
 - Escaping from enemies/predatorsChoose the correct option
 - All except V
 - All except IV
 - All except II
 - All of these
- Flat bone on the ventral midline of thorax is called
 - Coccyx
 - Sternum
 - Sacrum
 - Ribs
- Which muscle component is the smallest among the given options?
 - Muscle fibre
 - Myofibril
 - Actin
 - Sarcomere
- Choose the wrongly matched option
 - Frontal bone-1
 - Parietal bones-2
 - Temporal bone-1
 - Sphenoid bone-1
- Cartilage has slightly pliable matrix due to
 - Chondroitin salts
 - Osteoblast
 - Chondroclast
 - Osteoclast
- In humans, true ribs connects to ...A... and ...B... dorsally and ventrally respectively
 - Dorsally to** Sternum
 - Ventrally to** Vertebral column
 - Vertebral column
 - Sternum
 - Sternum
 - Stapes
 - Vertebral column
 - Incus
- Myofilaments or myofibrils are
 - Obliquely arranged filaments of muscle fibre
 - Parallely arranged filaments of muscle fibre
 - Horizontally arranged filaments of muscle fibre
 - Radially arranged filaments of muscle fibre

9. Select the correct statements with reference to muscles
 I. Cardiac muscles are non-striated
 II. All non-striated muscles are involuntary
 III. All movements leads to locomotion
 IV. Micro filaments all involved in amoeboid movements
 Correct option with all wrong statements is-
- a) I and III b) I and II c) III and IV d) II and IV
10. Ciliary movement occurs in most of our internal tubular organs which are lined by ...A epithelium. The coordinated movement of cilia in the ...B... help us in removing dust particles. Passage of ova through female reproductive tract is facilitated by the ...C... movement
 Identify A, B and C to complete the given NCERT statement
- a) A-squamous, B-trachea, C-ciliary b) A-cuboidal, B-trachea, C-ciliary
 c) A-ciliated B-trachea, C-amoeboid d) A-stratified, B-trachea, C-amoeboid
11. The clavicle articulates with.....of scapula.
- a) Acromion process b) Glenoid cavity
 c) Acetabulum cavity d) Ball and socket joint
12. Elbow joint is an example of
- a) Pivot joint b) Hinge joint c) Gliding joint d) Ball and socket joint
13. The thin filaments of a muscle fiber are made up of
- a) Actin, troponin, tropomyosin b) Actin, troponin
 c) Myosin, troponin d) Actin, tropomyosin
14. Motor unit is a
- a) Neuron b) Muscle fibre
 c) Motor neuron with muscle fibre d) All of the above
15. Based on their location in humans body or animals types of muscles are
 I. skeletal II. visceral
 III. cardiac IV. non-visceral
 The correct option is
- a) I and II b) II and IV c) I, II and III d) I, III and IV
16. In which of the following muscle component actin binding sites all present?
- a) Troponin b) Tropomyosin
 c) Meromyosin d) Troponin and tropomyosin
17. Which one of the following is a skull bone?
- a) Coracoid b) Arytenoid c) Atlas d) Pterygoid

18. Centrum of 8th vertebra of frog is
 a) Procoelous b) Acoelous c) Amphicoelous d) Amphiplatyan
19. Which of the following statements is correct?
 a) Movable skull bone is mandible
 b) We move our hands, while walking for balancing
 c) Cartilaginous joints have little mobility due to fibrocartilage disc between its articular ends, *e.g.*, intervertebral disc between the centre of vertebrae
 d) All of the above
20. Identify A-G in the given diagram and choose the correct option with reference to the hints I-VII



- I. A-band II. I-band
 III. Sarcomere IV. H-zone
 V. Myosin
 VI. Actin, troponin and tropomyosin
 VIII. Z-line

The correct option is

- a) I-E, II-D, III-F, IV-G, V-B, VI-C, VII-A
 b) I-E, II-D, III-C, IV-G, V-B, VI-A, VII-F
 c) I-E, II-D, III-F, IV-G, V-C, VI-C, VII-B
 d) I-E, II-D, III-F, IV-A, V-B, VI-C, VII-G