

Subject : BIOLOGY DPP No. : 6 Class: XIth

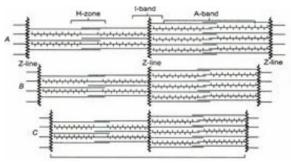
Date:

Topic :- Locomotion & Movement

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1.	Arrange the following steps of muscle contraction in the sequence of events occurring first I. Receptor sites on sarcolemma II. Nerve impulse III. Release of Ca ²⁺ IV. Acetylcholine release V. Shortening of sarcomere VI. Synaptic cleft VII. Spread of impulse over sarcolemma on T-tubule							
	The correct option is							
	a) II \rightarrow IV \rightarrow VI \rightarrow I \rightarrow VI				b) II \rightarrow IV \rightarrow I \rightarrow VI \rightarrow V			
	c) II \rightarrow IV \rightarrow I \rightarrow VI \rightarrow VII \rightarrow		$V \rightarrow III$	d) $IV \rightarrow II \rightarrow I \rightarrow VI \rightarrow VII \rightarrow V$		$II \rightarrow V \rightarrow III$		
2.	The region at the ends a) H-zone		e A-band of two a Z-band	-	oining sarcomeres is cal c) I-band	lled d) M-zone		
3.	Intervertebral disc consists of a shock absorber a) Hyaline cartilage b) Elastic cartilage				connective tissue knov c) Fibro cartilage	vn as d) Reticulo cartilage		
4.	Transverse ligament is found in a) Axis b) Atlas				c) Sacrum	d) Thoracic vertebra		
5.	The region between two successive Z-lines in a myofibril is							
	a) Sarcomere		Sarcosome		c) Fascia	d) Anisotropic band		
6.	Choose the correct statements a) Axial skeleton comprises 80 bones c) Skull have total 22 bones				b) Skull, vertebral column, sternum and ribs constitutes axial skeletond) All of the above			
	-,			ujiii oi uio uo v				
7.	The 'wish bone' or 'mer a) Sternum	he 'wish bone' or 'merry throught bone' of bird is) Sternum b) Scapula c) Coracoid d) Clavicle						
8.	Macrophages and leuco	ocyte	es in blood exhibit	S				

	a) Amoeboid movement	b) Ciliary movement	c) Muscular movement	t d) Flagellar movement				
9.	A cricket player is fast directly contributing in a) Femur, malleus, tibi	this movement?	. Which one of the following groups of bones are b) Pelvis, ulna, patella, tarsals					
	c) Sternum, femur, tibi		d) Tarsals, femur, metatarsals, tibia					
10.	Pelvic girdle of rabbit ca) Ilium, ischium and pc) Coracoid, scapula an	ubis	b) Ilium, ischium and coracoids d) Ilium, coracoid and scapula					
11.	Ilium, ischium, pubis an a) Cervical vertebrae	re the b) Pectoral bones	c) Coaxal bones	d)Thoracic bones				
12.	Low level of Ca ²⁺ ions a) Rapid spasms	in muscles result in b) Wild contractions	c) Both (a) or (b)	d) None of the above				
13.	In a vertebrate, which a) Ectoderm	germ layer forms the ske b) Endoderm	eleton muscles? c) Mesoderm	d) Both (a) and (c)				
14.	Muscle is attached to b a) Tendon	one <mark>by</mark> b) Ligament	c) Insertion	d) Cartilage				
15.	Which of the following pairs is correctly matched? a) Cartilaginous joint- skull bones b) Hinge joint- Between vertebrae c) Fibrous joint- Between phalanges d) Gliding joint- Between zygapophyses of the successive vertebrae							
16.	Choose the correct properties of muscle fibres I. Muscle fibre is lined by the plasma membrane called sarcolemma II. Cytoplasm of the muscle fibre is called protoplasm III. Sarcolemma of the muscle fibre encloses the sarcoplasm IV. Muscle fibre is syncitium Select the correct option							
	a) All except II	b) All except I	c) All except III	d) All except IV				

17. Identify the state of sarcomere in the diagram and choose the correct option accordingly



- a) A-Contracting, B-Relaxed, C-Maximally contracted
- b) A-Maximally contracted, B-Contracting, C-Relaxed
- c) A-Relaxed, B-Contracting, C-Maximally contracted
- d) A-Relaxed, B-Maximally contracted, C-Contracting
- 18. In *Paraecium*, cilia helps in
 - a) Movement of cytopharynx
 - c) Both (a) and (b)

- b) Locomotion
- d) Reproduction
- 19. What will happen if ligaments are cut or broken?
 - a) Bones will move freely at joints
 - c) Bone will become unfixed

- b) No movement at joint
- d) Bone will become fixed

- 20. This joint is made for power
 - a) Joint between vertebrae
 - c) Knee joint

- b) Mandibular joint
- d) Suture in cranium