

**Subject : BIOLOGY** Class: XIth

**DPP No. :3** Date:

		l'opic :- Locon				
1.	Total number of bo	ones found in right uppo	er limb is			
	a) 25	b) 26	c) 30	d) 60		
2.	Common among all mammals is					
	a) Ventral nerve cord		•	b) Seven cervical vertebrae		
	c) All are carnivores		dj Ali are produ	d) All are producers		
3.	Muscle fatigue is due to					
	a) Lactic acid	b) Citric acid	c) Na	d) K		
4.	How many ear oss	icles you have?				
	a) 3	b) 4	c) 5	d)6		
_	I aimta ano tha maint	e of contact hotersoon				
5.	Joints are the point of conta <mark>ct between</mark> I. bones II. Cartilages and bones					
	III. bones and muscles IV. cartilage and musc		nuscles			
	Select the containing		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	D		
	a) I and II	b) II and III	c) III and IV	d) IV and I		
6.	Which of the following statements regarding locomotion and movements is wrong?					
	a) All the locomotion are movements					
	<ul><li>b) All the movements are locomotion</li><li>c) Locomotion and movements in higher organisms are brought by skeletal muscles</li></ul>					
	d) None of the above					
_						
7.	Muscular dystroph a) Viral disease	y in numans is a b) Bacterial diseas	se c) Genetic disea	ase d) Fungal disease		
	a) virai aisease	b) Bucterial albeat	e ej denede disec	aji angai alsease		
8.	Which of the following statement Is/ are correct / incorrect?					
	<ul><li>I. A-bands of the muscle is dark and contain myosin.</li><li>II. I-bands are the light bands and contain actin</li></ul>					
	III. During muscle contraction, the A-band contracts.					
	IV. The part between the two Z-lines is called as sarcomere.					

V. The central part of thin filament, not overlapped by thick filament is called H-zone.

	b) I,III,V are correct, while II,IV are incorrect c) I and II are correct, while III, IV and V are incorrect d) I,II,III and V are correct, while IV is incorrect					
9.	Bones become fragile in a) Osteoporosis	ı b) Gout	c) Arthritis	d) None of these		
10.	Where the saddle joints are presents in humans a) Between carpals and matacarpals c) Radius and ulna		s? b) Atlas and axis d) Carpals and phalanges			
11.	During muscle contract a) Cross bridge detachn c) Releasing Ca <sup>2+</sup> from	nent	gy for b) Building up action potential d) Cross-bridge attachment of myosin to actin			
12.	Arrange the given steps of muscle contraction in the series of events from first to last I. Myosin head binds to the exposed active site on action to form a cross bridge II. The Z-line attached to these actin are also pulled in wards there by causing shortening of sarcomere also called contraction III. This pulls the attached actin filaments towards the centre of A -band The correct option is a) $I \rightarrow II \rightarrow III$ b) $III \rightarrow III \rightarrow III$ d) $III \rightarrow III$					
13.	The contractile protein a) Tropomyosin	of s <mark>kelet</mark> al muscle invol b) <mark>Myosi</mark> n	ving ATPase activity as c) $\alpha$ — actinin	d)Troponin		
14.	Striped muscles are cha a) Syncytial	nracterized by b) Spindle shape	c) Uninucleate	d) None of these		
15.	A band contains actin and is calledB band, whereas theC band calledD band contains myosin  Choose the correct options for A, B and C to complete the given NCERT statement a) A-Light, B-I, C-dark, D-A b) A-Dark, B-I, C-light, D-A c) A-Dark, B-A, C-light, D-I d) A-Light, B-A, C-dark, D-I					
16.	Human cranium has	bones. b) 14	c) 20	d) None of these		
17.	Which of the following are the properties of cardiac muscles?  I. They are the muscles of the heart  II. They are non-striated  III. They are involuntary in their functions					

a) I,II, and III are correct, while IV and V are incorrect

IV. They are made up of fascicles Select the correct option

- a) I and III
- b) II and IV
- c) I and IV
- d) II and III
- 18. Both proteins, actin and myosin are arranged in a rod-like structure in the muscles
  - a) Radially
- b) Parallely
- c) Horizontally
- d) Obliquely

- 19. Ligament is mainly made up of
  - a) Reticulin
- b) Elastin
- c) Myosin
- d) Collagen
- 20. Skeletal muscles are closely associated with the ...A... components of the body. They have ...B... appearance under the microscope and hence are called ...C... muscles

  Choose the correct options to fill A, B and C, so as to complete the given NCERT statement
  - a) A-muscular, B-stripped, C-striated
- b) A-visceral, B-stripped, C-striated
- c) A-skeletal, B-stripped, C-striated
- d) A-microfibrillar, B-stripped, C-striated

