GPLUS EDUCATION

CHAPTER-20

Locomotion and Movement

/ F 1	1. Draw the diagram of a sarcomere of skeletal muscle showing differences		
*2	. Define sliding filament theory of muscle contraction.		
*3.	3. Describe the important steps in muscle contraction.		
4.	4. Write true or false. If false change the statement so that it is true.		
	(a) Actin is present in thin file	ament	
	(b) H-zone of striated muscle fibre represents both thick and thin filaments.		
		(c) Human skeleton has 206 bones.	
	(d) There are 11 pairs of ribs in man.(e) Sternum is present on the ventral side of the body.		
米 5.	Write the difference between:		
•	(a) Actin and Myosin		
	(b) Red and White muscles(c) Pectoral and Pelvic girdle		
	• •	п.	
6.	6. Match Column I with Column II : Column I Column II		
	Column I	(i) Myoglobin	
	(a) Smooth muscle	(ii) Thin filament	
	(b) Tropomyosin (c) Red muscle	(iii) Sutures	
	(C) IXXX IIIXSCIC	(iv) Involuntary	
7	What are the different types (of movements exhibited by the cells of human	
	body?		
1 8.	8. How do you distinguish between a skeletal muscle and a cardiac muscle? 9. Name the type of joint between the following:- (a) atlas/axis		
1 9.			
1			
	(b) carpal/metacarpal of thum	b	
	(c) between phalanges(d) femur/acetabulum(e) between cranial bones(f) between pubic bones in the pelvic girdle		
10. Fill in the blank spaces:			
(a) All mammals (except a few) have cervical vertebra. (b) The number of phalanges in each limb of human is		have cervical vertebra.	
	and		
	(d) In a muscle fibre Ca++ is sto		
		pairs of ribs are called floating ribs.	
	(f) The human cranium is made	le of bones.	