

	BCM SCHOOL BASANT AVENUE, DUGRI LUDHIANA XI BIO ASSIGNMENT CH- LOCOMOTION AND MOVEMENT	
1	ATPase of the muscle is located in (a) Actinin (b) Troponin (c) Myosin (d) Actin	1
2	Which one of the following is showing the correct sequential order of vertebrae in the vertebral column of human beings? ' (a) Cervical – lumbar – thoracic – sacral – coccygeal (b) Cervical – thoracic – sacral – lumbar – coccygeal (c) Cervical – sacral – thoracic – lumbar – coccygeal (d) Cervical – thoracic – lumbar – sacral – coccygeal	1
3	Which one of the following options is incorrect? (a) Hinge joint—between humerus and pectoral girdle (b) Pivot joint—between atlas, axis and occipital condyle (c) Gliding joint—between the carpals (d) Saddle joint—between carpel and metacarpals of thumb	1
4	Name the cells/tissues in human body which a. exhibit amoeboid movement b. exhibit ciliary movement	2
5	Sarcolemma, sarcoplasm and sarcoplasmic reticulum refer to a particular type of cell in our body. Which is this cell and to what parts of that cell do these names refer to?	2
6	Exchange of calcium between bone and extracellular fluid takes place under the influence of certain hormones. What will happen if more of Ca⁺ is in extracellular fluid?What will happen if very less amount of Ca⁺⁺ is in the extracellular fluid	3
7	Radha was running on a treadmill at a great speed for 15 minutes continuously. She stopped the treadmill and abruptly came out. For the next few minutes, she was breathing heavily/fast. Answer the following questions: a. What happened to her muscles when she did strenuously exercise? b. How did her breathing rate change? c. An elderly woman slipped in th£ bathroom and had severe pain in her lower back. After X-ray examination doctors told her it is due to a slipped disc. What does that mean? How does it affect our health?	5