

	<b>BCM SCHOOL BASANT AVENUE, DUGRI LUDHIANA</b> <b>XI BIO ASSIGNMENT</b> <b>CH- LOCOMOTION AND MOVEMENT</b>	
1	<b>ATPase of the muscle is located in</b> <b>(a) Actinin (b) Troponin (c) Myosin (d) Actin</b>	1
2	<b>Which one of the following is showing the correct sequential order of vertebrae in the vertebral column of human beings? '</b> <b>(a) Cervical – lumbar – thoracic – sacral – coccygeal</b> <b>(b) Cervical – thoracic – sacral – lumbar – coccygeal</b> <b>(c) Cervical – sacral – thoracic – lumbar – coccygeal</b> <b>(d) Cervical – thoracic – lumbar – sacral – coccygeal</b>	1
3	<b>Which one of the following options is incorrect?</b> <b>(a) Hinge joint—between humerus and pectoral girdle</b> <b>(b) Pivot joint—between atlas, axis and occipital condyle</b> <b>(c) Gliding joint—between the carpals</b> <b>(d) Saddle joint—between carpal and metacarpals of thumb</b>	1
4	<b>Name the cells/tissues in human body which</b> <b>a. exhibit amoeboid movement</b> <b>b. exhibit ciliary movement</b>	2
5	<b>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?</b>	2
6	<b>Exchange of calcium between bone and extracellular fluid takes place under the influence of certain hormones.</b> <b>What will happen if more of <math>Ca^{+}</math> is in extracellular fluid? What will happen if very less amount of <math>Ca^{++}</math> is in the extracellular fluid</b>	3
7	<b>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:</b> <b>a. What happened to her muscles when she did strenuously exercise?</b> <b>b. How did her breathing rate change?</b> <b>c. An elderly woman slipped in the 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?</b>	5