

Biology FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which of the following statements concerning the role of Ca^{+2} in the contraction of skeletal muscle is correct?	<p>A. The mitochondria act as a store of Ca^{+2} for the contractile process</p> <p>B. Ca^{+2} entry across the plasma membrane is important in sustaining the contraction of skeletal muscle</p> <p>C. A rise in inter cellular Ca^{+2} allows actin to interact with myosin</p> <p>D. The tension of a skeletal muscle fiber is partly regulated by G proteins</p>
2	In skeletal muscle, calcium facilitates contraction by binding to:	<p>A. Tropomyosin</p> <p>B. Troponin</p> <p>C. Actin</p> <p>D. Myosin</p>
3	The remodeling of bone is a function of which cells?	<p>A. Chondrocytes and osteocytes</p> <p>B. Osteoblasts and osteoclasts</p> <p>C. Chondroblasts and osteoclasts</p> <p>D. Chondroblasts and osteocytes</p>
4	The organic portion of bone matrix is important in providing all but:	<p>A. Tensile strength</p> <p>B. Hardness</p> <p>C. To resist stretch</p> <p>D. Flexibility</p>
5	The disorder in which bones are porous and thin but bone composition normal is:	<p>A. Osteomalacia</p> <p>B. Osteoporosis</p> <p>C. Rickets</p> <p>D. Arthritis</p>
6	When haemoglobin of the blood is fully saturated with oxygen, the 100cc of blood contains	<p>A. 15cc of oxygen</p> <p>B. 20cc of oxygen</p> <p>C. 25cc of oxygen</p> <p>D. 10cc of oxygen</p>
7	Oxygen carrying capacity of blood does not depend upon:	<p>A. Partial pressure of CO_2</p> <p>B. Partial pressure of O_2</p> <p>C. Height from sea level</p> <p>D. Quantity of blood</p>
8	Which event is not associated with the activity of expiration?	<p>A. Contraction of diaphragm</p> <p>B. More dome like shape of diaphragm</p> <p>C. Backward & downward movement of rib cage</p> <p>D. Relaxation of intercostal muscles</p>
9	Human lungs are spongy due to the presence of million of:	<p>A. Bronchi</p> <p>B. Alveoli</p> <p>C. Bronchioles</p> <p>D. Trachea</p>
10	Which part of the air passage way possesses cartilage plates in its wall?	<p>A. Bronchioles</p> <p>B. Distal region of bronchi</p> <p>C. Proximal region of bronchi</p> <p>D. Trachea</p>
11	Which sequence of organs is correct in air passage way of man?	<p>A. Nasal cavities larynx pharynx trachea bronchi</p> <p>B. Nasal cavities pharynx trachea larynx bronchi</p> <p>C. Nasal cavities pharynx larynx bronchi trachea</p> <p>D. Nasal cavities pharynx larynx trachea bronchi</p>
12	When the human blood leaves the capillary bed of the tissue, most of the carbon dioxide is	<p>A. Carbonic acid</p> <p>B. Bicarbonate ions</p>

	in the form of:	C. Carboxylic acids D. None of them
13	The pleural walls of the chest cavity of man are composed of the:	A. Ribs B. Intercostal Muscles C. Ribs and intercostal muscles D. Ribs, Intercostal Muscles & diaphragm
14	What does not happen during inspiration in man?	A. Intercostal muscles contract B. Ribs are elevated C. Diaphragm becomes dome-shaped D. Ribs move forwards
15	The wall of trachea (windpipe) and bronchi of man is furnished with a series of incomplete:	A. Cartilaginous plates B. Chitinous rings C. Cartilaginous rings D. Muscular rings
16	An animal that warms itself mainly by absorbing from its surroundings is known as:	A. Homoiotherm B. Ectotherm C. Endotherm D. None of these
17	In case of overheating the body temperature is regulated by:	A. More sweating and more urination B. More sweating and more urination C. Less sweating and more urination D. Less sweating and less urination