

Biology Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	A researcher is studying a newly discovered protein. Linked to a rare disease. The protein's sequence shows no match in BLAST, the next possible step is	A. Modify protein sequence B. Check for structural homology using PDB C. Reanalyze the protein structure D. Go for x-ray crystallography
2	The lipids in the cell membranes of bacterial and eukarya have fatty acids attached to glycerol by.....	A. Ester linkage B. Glycosidic linkage C. Phosphodiester linkage D. Ether linkage
3	A compound whose chemical composition is most closely related to maltose is.	A. Starch B. Protein C. ATP D. RNA
4	Clover leaf structure is the characteristic of	A. tRNA B. mRNA C. rRNA D. DNA
5	Semifluid present inside the inner membrane space of chloroplast is called.	A. Matrix B. Stroma C. Lumen D. Thylakoid
6	There is no production of NADPH and oxygen during.	A. Non cyclic photophosphorylation B. Cyclic photophosphorylation C. Oxidative phosphorylation D. Oxidation and reduction
7	Which one is not related to the nuclear pore	A. Annular subunit B. Column subunit C. Ribosomal subunit D. Lumenal subunit
8	The 2nd step of sliding filament model is.	A. Sarcomere at relaxed state B. Arrival of nerve impulse C. Cross bridges and power stroke D. Separation of myosin heads
9	When a nerve impulse reaches sarcolemma.....is released by motor neuron at a synapse.	A. Acetylcholine B. Ca ⁺⁺ C. ATP D. Dopamine
10	In the primary structure of insulin alpha chain has 21 amino acids while beta chain has 30 amino acids, both these chains are joined by	A. Hydrogen bond B. Disulphide bond C. Ionic bond D. Covalent bond
11	All peroxisomes carry out this function	A. Break down fats and amino acids into smaller molecules that can be used for energy production by mitochondria B. Digest macromolecules using the hydrolytic enzymes they contain C. Synthesize membrane components such as fatty acids and phospholipids D. Control the flow of ions into and out of the cell
12	Storage of sugars, resins, latex and mucilage takes place in	A. Sieve tube cells B. Phloem parenchyma C. Phloem fibres D. Companion cells
13	Which best explains the liver's role in digestion .	A. It produces insulin B. It stores undigested food C. It produces bile for fat digestion D. It secretes enzymes into the colon
14	The enzymes that catalyze the reactions in which two molecules are joined together by synthesis of new bonds. using energy from ATP. are placed in group	A. Hydrolase B. Ligase C. - - - D. - - -

		D. Transterase
15	The excretory structures in arthropods is	A. Crop B. Gizzard C. Malpighian tubules D. Mesenteron
16	Sliding filaments model explains.	A. Physiology of muscle contraction B. Composition of muscle fibre C. Stiffening of muscles after death D. Levels of organization of muscles
17	In a healthy person, plasma constitutes about.....by volume	A. 45% B. 55% C. 65% D. 90%
18	Pyruvic acid can also be turned back into glucose by reversing glycolysis. the process called as.	A. Reverse glycolysis B. Gluconeogenesis C. Reverse osmosis D. Lactic acidosis
19	The 8th,9th and 10th pairs of ribs are attached to the sternum by means of	A. Articular cartilage B. Common costal cartilage C. Meniscus cartilage D. Fibro cartilage
20	What is primary role of computational biology	A. Using computer algorithms to analyze data B. Identifying genetic mutations C. Studying protein functions D. Analyzing the expression patterns