

Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	The tail of phospholipids faces inwards in a cell membrane because it is.	A. Hydrophobic B. Hydrophilic C. Contains glycerol D. Have positive charge
2	Chitin differs from cellulose in having	A. Alpha (1-4) linkages B. Nitrogen-containing groups C. Branched glucose chains D. Ether linkage
3	Haemoglobin has	A. Primary structure B. Secondary structure C. Tertiary structure D. Quaternary structure
4	Evaporation of 2 ml of water out of 1 litre lowers the temperature of remaining 998 ml water by	A. 1 °C B. 2 °C C. 3 °C D. 4 °C
5	Who in 1950, concluded that DNA is a fibrous substance in the form of helix.	A. Erwin Chargaff B. Watson and Crick C. Rosalind D. Linus Pauling
6	Clover leaf structure is the characteristic of	A. tRNA B. mRNA C. rRNA D. DNA
7	Water exhibits its maximum density at.	A. 4 °C B. 0 °C C. 100 °C D. -100 °C
8	The conjugated molecules that are integral structural components of membranes of the cells are.	A. Glycolipids B. Glycoproteins C. Nucleoproteins D. Both a and b
9	Identify a compound which is lipid but has modified fats, with non polar tails attached to a 5-carbon ring.	A. Cholesterol B. Prostaglandin C. Phospholipid D. Acylglycerol
10	Testosterone is made up of.	A. 3- six membered rings + 1 five membered ring B. 1- six membered ring + 3- five membered ring C. Only 3- six membered rings D. 3- six membered rings + 1 four membered square
11	Which characteristics of water molecules is responsible for most of the unique properties of water.	A. Small in size B. Stick together C. Held together by covalent bonds D. Can easily separate from one another
12	The loss of proteins that catalyse the metabolism of cells is.	A. Enzymes B. Channel proteins C. Cytochromes D. Repressors
13	Which group of amino acid is responsible for its identity and unique chemical properties.	A. R-group B. COOH group C. NH ₂ group D. All of above
14	Which of the following is NOT a protein.	A. Haemoglobin B. Cholesterol C. Pepsin D. Antibody

15	Blood ferritin levels are measured in patients as diagnostic tool of most likely	A. Anemia B. Thalassemia C. Arthritis D. Polycythemia
16	If hemoglobin's quaternary structure was disrupted what would be the immediate consequence.	A. Oxygen transportation efficiency would decrease B. Hemoglobin would more efficiently transport gases C. Size of RBCs would increase D. Both b and c
17	The globular structure of protein is maintained by.....bonds.	A. Ionic, hydrogen, disulphide B. Hydrogen, covalent, peptide C. Hydrophobic interactions, hydrogen bond, hydrophilic interactions D. Only hydrogen bond
18	Disaccharides and dipeptides are formed as a result of.	A. Dehydration synthesis B. Hydrolysis C. Oxidation reduction D. Catabolism
19	Lipids are insoluble in water due to their.	A. Non-polar nature B. High energy C. Ionic bonds D. Presence of polysaccharides
20	The sugar which acts as a precursor in photosynthesis is.	A. Ribulose B. Glucose C. Ribose D. Erythrose