

## Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Basic knowledge of biochemistry helps to understand anatomy and.....	A. Physiology B. Morphology C. Parasitology D. Pathology
2	Modified form of cellulose is called.	A. Chitin B. Pectin C. Agar D. Dextrin
3	At room temperature in a litre of water, out of 550 million water molecules, only..... gets ionized.	A. 100 molecules B. 10,000 molecules C. 550 million molecules D. Only 1 molecule
4	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
5	The type of conjugated molecules involved in the regulation of gene expression are.	A. Nucleoproteins B. Glycoprotein C. Nucleosomes D. Both a and c
6	A compound whose chemical composition is most closely related to maltose is.	A. Starch B. Protein C. ATP D. RNA
7	Identify a compound which is lipid but have modified fats, with non polar tails attached to a 5-carbon ring.	A. Cholesterol B. Prostaglandin C. Phospholipid D. Acylglycerol
8	The concentration of water in different organisms, varies from	A. 65 to 89% B. 40- 89% C. 80- 90% D. 50- 60%
9	The disaccharide found only in mammalian milk, which is main source of energy for infant of mammals is.	A. Lactose B. Cane sugar C. Agar D. Cane sugar
10	The type of metabolic reactions in which simpler substances are combined to form complex substance are called	A. Anabolic reactions B. Catabolic reactions C. Redox reactions D. Hydrolytic reactions
11	Glycoproteins are formed by the linkage of.	A. Protein and lipid B. Protein and carbohydrate C. Two nucleic acids D. RNA and histone
12	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
13	Sickle cell hemoglobin valine takes the place of.	A. Glutamic acid B. Glutamine C. Aspartic acid D. Phenylalanine
14	Casein is an example of protein that	A. Transports electrons B. Stores $Ca^{++}$ and $K^{+}$ C. Provides energy D. Helps in transport of $O_2$
15	Which of the following hexoses show stereoisomerism.	A. Glucose and galactose B. Fructose and galactose C. Glucose and fructose D. All of them

		D. All of the above
16	The program in DNA that directs cellular activities is stored in.	A. Genes B. Ribosomal proteins C. Phosphodiester bond D. Hydrogen bond
17	Which one of the following is NOT the function of cholesterol.	A. Lipid transport B. Precursor of corticosteroids C. Precursor of vit-A D. Precursor of bile acids
18	In the chromosomes of E. coli each strand of DNA contains .....bases.	A. 5 million, circular B. 5 million, linear C. 3 million, linear D. 8 million, circular
19	Non-polar molecules tend to cluster together in aqueous environments to minimize contact with water molecules. This phenomenon is termed as.	A. Hydrophobic interaction B. Hydrogen bonding C. Hydrophilic interaction D. Condensation
20	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