

MDCAT Biology Chapter 3 Biological Molecules Online Test

Sr	Questions	Answers Choice
1	In deoxyribose, oxygen is removed from carbon number	A. 1 B. 2 C. 3 D. 4
2	Which of the following bond is not present in tertiary structure of proteins	A. Peptide B. Hydrogen C. Ionic D. Ester
3	Glycine can be converted to alanine by	A. Addition of carbon and 2 hydrogens B. Removal of carbon and 2 hydrogens C. Addition of Methyl group D. Removal of hydrogen and 2 carbons
4	Which of the following nitrogenous base have methyl group	A. Adenine B. Guanine C. Uracil D. Thymine
5	What is the theoretical number of chemically different dipeptide that can be made from 2 different amino acids	A. 1 B. 2 C. 4 D. 8
6	Monosaccharides are major component of	A. DNA, ATP, RuBP, Lecithin B. DNA, NAD, Insulin C. DNA, NAD, ATP, RuBP D. DNA, RNA, Myosin
7	Which of the following is dimer of glucose	A. Sucrose B. Fructose C. Maltose D. Cellulose
8	Most of the proteins are composed of _____ types of amino acids	A. 170 B. 150 C. 25 D. 20
9	When Fructose form ring structure, It is	A. 6 Cornered B. 5 cornered C. 4 cornered D. 3 cornered
10	Nucleotide is to ____ as amino acid is to ____	A. Nucleic acids, Lipids B. Nucleic acids, Proteins C. Proteins, Lipids D. Lipids, proteins
11	Chemical formula of pentose sugar present in DNA	A. $C_5H_9O_5$ B. $C_5H_{10}O_5$ C. $C_5H_{10}O_4$ D. None
12	In tertiary structure, presence of hydrophilic amino acids at the surface of proteins and hydrophobic amino acids buried inside, indicate	A. Nature of bonding B. Function of protein C. Nature of medium D. Shape of protein
13	Which of the following does not contain peptide bond	A. Hemoglobin B. Myoglobin C. Insulin D. Cutin
14	How many nitrogen atoms are found in lecithin	A. 1 B. 2 C. 3 D. 4
		A. α 1, 4 Glycosidic bond

15	The bond formed between glucose and fructose to form sucrose	B. β 1 , 4 Glycosidic bond C. α 1 , 2 Glycosidic bond D. β 1 , 2 Glycosidic bond
16	Pick up the wrong statement from the following	A. Oils are lighter than water B. Animal fats are solid at room temperature C. Specific gravity of fats is higher than water D. Fats containing saturated fatty acids are solid
17	Pick up the example of a dinucleotide:	A. ATP B. GTP C. ADP D. NAD
18	All carbon atoms in a monosaccharide ____ have hydroxyl group	A. Except one B. Except Two C. Without Exception D. Except last
19	In free state Glucose is present in:	A. Grapes B. Dates C. Figs D. All Fruits
20	The compound formed by the combination of a base and a pentose sugar is called:	A. Nucleoside B. Nucleic acid C. Nucleotide D. Nuclein