

MDCAT Biology Chapter 3 Biological Molecules Online Test

Sr	Questions	Answers Choice
1	The amount of DNA in _____ is one half to that of _____:	A. Somatic cells, Germ cells B. Osteocytes, Somatic cells C. Germ cells, Somatic cells D. Somatic cells, Gametocytes
2	Which of the following sugar is abundant in muscle fibres	A. Myoglobin B. Starch C. Glycogen D. Oxygen
3	In a DNA duplex, what will be distance in between two consecutive base pairs:	A. 3.4 Angstrom B. 34 Angstrom C. 0.34 Angstrom D. 340 Angstrom
4	Lipids store double amount of energy as compared to same amount of carbohydrates, because of	A. Higher proportion of C-H bonds B. Higher proportion of C-N bonds C. Higher proportion of C-O bonds D. Lower proportion of C-O-P bonds
5	Which level of protein structure is responsible for maintenance of helix shape of an enzyme	A. Primary B. Secondary C. Tertiary D. Quaternary
6	Pick out the phospholipid from the following	A. Phosphatidylserine B. Lecithin C. Phosphatidylcholine D. All
7	F. Sanger was the first scientist who determined the _____ structure of a protein molecule	A. Primary B. Secondary C. Tertiary D. Quaternary
8	Both Glycoprotein and glycolipids are components of	A. Plant Cell walls B. Algal Cell Walls C. Fungal Cell Wall D. Biological Membranes
9	Highest number of carbons are present in	A. Butyric acid B. Acetic acid C. Palmitic acid D. Oleic acid
10	Which part of amino acid give its physical and chemical properties	A. Amino group B. Carboxylic group C. Alpha carbon D. Alkyl group
11	Insulin is a/an:	A. Osmotic Protein B. Transport Protein C. Regulatory Protein D. Catalytic Protein
12	The next to simplest amino acid is	A. Alanine B. Glycine C. Serine D. Glutamine
13	Secondary structure is the ultimate structural level of which of the following proteins?	A. Trypsin B. Insulin C. Keratin D. Glucose
14	In a phospholipid molecule, fatty acid is attached to the carbon number _____ of glycerol.	A. 1 B. 2 C. Both D. 3
15	_____ are important components of brain and plasma membrane:	A. Nucleoproteins B. Glycolipids C. Lipoproteins D. Phospholipids

16	Glycerol, fatty acids and phosphoric acid give rise to:	A. Phospholipid B. Phosphatidic acid C. Phosphatidyl choline D. Phosphatidylethnoline
17	Which of the following is correct option	A. Nucleoside does not contain phosphate B. Nucleotide has three sub-units C. Ester bond is present in acylglycerols D. All
18	Pick up ester bond present in nucleotide	A. P-O-C B. C-O-C C. N-O-C D. S-O-C
19	Pick the odd one	A. Cellulose B. Galactose C. Agar D. Pectin
20	RNA and Proteins are components of	A. Chromosomes B. Receptors C. Secretions D. Ribosome