

## Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	The Fishcher projection was devised by German chemist Emil Fischer in.	A. 1891 B. 1994 C. 1831 D. 1952
2	Which type of RNA carries the genetic message from DNA to ribosomes.	A. tRNA B. rRNA C. mRNA D. dRNA
3	During translation tRNA molecules are responsible for.	A. Transporting amino acids to the ribosomes B. Transcribing DNA into RNA C. Forming the structure of ribosomes D. Degradation of mRNA
4	A researcher discovers a protein that changes shape when pH drops below 6.5. This protein is most likely.	A. Fibrous protein B. Actin and myosin C. Collagen D. Globular protein
5	The type of metabolic reactions in which simpler substances are combined to form complex substances are called	A. Anabolic reactions B. Catabolic reactions C. Redox reactions D. Hydrolytic reactions
6	The straight chains of cellulose are linked together by.....to form cellulose microfibrils.	A. Covalent bond B. Hydrogen bond C. Ionic bond D. Peptide bond
7	Proteins, nucleic acids and lipids make.....of the dry mass of living organisms.	A. 78% B. 93% C. 50% D. 7%
8	The proteins get coiled or folded within polypeptide chains at	A. Primary level B. Secondary level C. Tertiary level D. Quaternary level
9	Water exhibits its maximum density at.	A. 4 °C B. 0 °C C. 100 °C D. -100 °C
10	Glucose is .....as sweet as sucrose	A. Half B. 2 times C. 10 times D. 4 times
11	Phosphodiester bonds in DNA are formed between	A. C5 of one nucleotide and C3 of another B. Nitrogenous bases C. C1 of sugar and phosphate D. Purines and pyrimidines
12	Identify a compound which is a lipid but has modified fats, with non-polar tails attached to a 5-carbon ring.	A. Cholesterol B. Prostaglandin C. Phospholipid D. Acylglycerol
13	What compound would be manufactured with difficulty when soil has a shortage of phosphorus.	A. Proteins B. DNA C. Fatty acids D. Cellulose
14	What is the primary role of antibodies.	A. Transport CO <sub>2</sub> B. Catalyze metabolic reactions C. Store iron D. Neutralize antigens
		A. Phospholipids

15	The fluid mosaic model of cell membranes is primarily composed of.	B. Sphingolipids C. Glycolipids D. Both a and c
16	Modified form of cellulose is called.	A. Pectin B. Chitin C. Agar D. Dextrin
17	Which statement about prostaglandins is FALSE.	A. They control blood vessels diameter B. Involved in inflammatory response C. Derivate of fatty acids D. Stored in large quantities
18	Which of the following is the most familiar disaccharide.	A. Maltose B. Sucrose C. Lactose D. Both a and c
19	The concentration of water in different organisms, varies from	A. 65 to 89% B. 40- 89% C. 80- 90% D. 50- 60%
20	Which of the following is a purine base.	A. Cytosine B. Uracil C. Adenine D. Thymine