

## Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	The bond which maintains secondary structure of a protein is.	A. Hydrophobic interaction B. Ionic bond C. Hydrophilic interaction D. <b>Hydrogen bond</b>
2	The globular structure of protein is maintained by.....bonds.	A. <b>Ionic, hydrogen, disulphide</b> B. Hydrogen, covalent, peptide C. Hydrophobic interactions, hydrogen bond, hydrophilic interactions D. Only hydrogen bond
3	Lipids are insoluble in water due to their.	A. <b>Non-polar nature</b> B. High energy C. Ionic bonds D. Presence of polysaccharides
4	Which group of amino acid is responsible for its identity and unique chemical properties.	A. <b>R-group</b> B. COOH group C. NH <sub>2</sub> group D. All of above
5	Which pentose sugar is present in RNA but not in DNA.	A. <b>Ribose</b> B. Deoxyribose C. Ribulose D. Glucose
6	The total number of different types of amino acids that have been reported to occur in living organisms is.	A. 25 B. 20 C. <b>170</b> D. 300
7	The concentration of water in different organisms, varies from	A. <b>65 to 89%</b> B. 40- 89% C. 80- 90% D. 50- 60%
8	Number of peptide bonds in tetrapeptide are.	A. 1 B. 2 C. <b>3</b> D. 4
9	A student of science working in lab mixes ethanol in an acetic acid, most likely the compound formed will be.	A. <b>Ester</b> B. Polypeptide C. Diethyl ether D. Terpene
10	Chitin differs from cellulose in having.	A. Alpha (1-4) linkages B. <b>Nitrogen-containing groups</b> C. Branched glucose chain D. Ether linkage
11	Which one of the following is NOT the function of cholesterol.	A. Lipid transport B. Precursor of corticosteroids C. <b>Precursor of vit-A</b> D. Precursor of bile acids
12	Which bond has stored energy and known as potential source of energy	A. <b>C-H Bond</b> B. C-N bond C. C-O bond D. C-C bond
13	Water exhibits its maximum density at.	A. <b>4 °C</b> B. 0 °C C. 100 °C D. -100 °C
14	Lipids transport which of the following vitamins.	A. <b>Vitamin A</b> B. Vitamin B C. Vitamin C D. Vitamin B6
15	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. <b>Collagen</b>

D. Globular protein

16 In case of glucose, oxygen bridge develops between

- A. C1 and C2
- B. C2 and C5
- C. C1 and C5
- D. C2 and C4

17 Sickle cell hemoglobin valine takes the place of.

- A. Glutamic acid
- B. Glutamine
- C. Aspartic acid
- D. Phenylalanine

18 The program in DNA that directs cellular activities is stored in.

- A. Genes
- B. Ribosomal proteins
- C. Phosphodiester bond
- D. Hydrogen bond

19 The fluid mosaic model of cell membranes is primarily composed of.

- A. Phospholipids
- B. Sphingolipids
- C. Glycolipids
- D. Both a and c

20 Glucose molecule having OH group upper side is termed as. on

- A. Alpha D-glucose
- B. Beta D-glucose
- C. Charli D glucose
- D. Gamma D glucose