

## Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Clover leaf structur is thd characteristics of	A. tRNA B. mRNA C. r RNA D. DNA
2	The type of conjugated molecules involved in the regulatio of gene expression are.	A. Nucleoproteins B. Glycoprotein C. Nucleosomes D. Both a and c
3	Breakdown of maltose into two glucose monomers by the sddition of water molecules in an example of.	A. Hydrolysis B. Condensation C. Dehydration synthesis D. Redox reaction
4	The amount of DNA in mitochondriaand chloroplast is	A. 2% B. 23% C. 4.1% D. 6.1%
5	The back bone of unclelic acids is formed by	A. Sugar + phosphates B. Nitrogenous base C. Fatty acids D. Proteins
6	Atom a shares its electron with Aical bond is most likely to be formed between them.tom B whihc type of chem	A. Ionic B. Covalent C. Hydrogen D. Hydrophobic interaction
7	Glucose and galactose have a difference in the orientation of one OH grop at.	A. C3 B. C4 C. C5 D. C6
8	Phosphodieser bonds in DNA are formed between	A. C5 of one nucleotide and C3 of another B. Nitrogenous bases C. Cl-of sugar and phosphate D. Purines and pyrimidines
9	The lass of proteins that catalyse the metabolism of cells is.	A. Enzymes B. Channel proteins C. Cytochromes D. Repressors
10	Aggregation of teritary structures makes.....structur eof protein.	A. Quaternary B. Secondary C. Primary D. Tertiary
11	Number of peptide bonds in tetrapetide are.	A. 1 B. 2 C. 3 D. 4
12	The bond which helps in maintationg the structur eof large molecules the proteins, nucleic acids, as well as DNA replication is.	A. Hyrrhophobic interaction B. Hydrogen bond C. Hydrophilic interaction D. Ionic bond
13	Which one of the following is NOT the function of cholesterol.	A. Lipid transport B. Precursor of corticosteroids C. Preursors of vit-A D. Precursor of bile acids
14	Identify a compound whihc is lipid but have modified fats, with non polar tails attache dto a 5- carbon ring.	A. Cholesterol B. Prostaglandin C. Phsopholipid D. Acylglycerol
15	Which group of amino acid sresponsiblefor its identity and unique chemicla properties.	A. R-group B. COOH group C. NH2 group

D. All or above

16 Which group is found in all fatty acids.

- A. COOH
- B. SO<sub>4</sub>
- C. PO<sub>4</sub>
- D. C-N

17 Chitin differs from cellulose in having

- A. Alpha (1-4) linkages
- B. Nitrogen -containing groups
- C. Brached glucose chian
- D. Ether linkage

18 Starch coils into helices,while cellulose form straight chains, due to difference in.

- A. Glycosideic bond orientation
- B. Hydrogen bond number
- C. Isomerization
- D. Presence of n -containing groups

19 High fructose corn syrup has replaced .....as a sweetner.

- A. Maltose
- B. Sucrose
- C. Glucose
- D. Lactose

20 Ice floating protects aquatic ecosystems by

- A. Forming a insulating layer that traps heat
- B. Making compartments in sea
- C. Reflecting sunlight
- D. Evaporation prevention