

Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	The program in DNA that directs cellular activities is stored in.	<p>A. Genes B. Ribosomal proteins C. Phosphodiester bond D. Hydrogen bond</p>
2	Breakdown of maltose into two glucose monomers by the addition of water molecules in an example of.	<p>A. Hydrolysis B. Condensation C. Dehydration synthesis D. Redox reaction</p>
3	Non-polar molecules tend to cluster together in aqueous environments to minimize contact with water molecules. This phenomenon is termed as.	<p>A. Hydrophobic interaction B. Hydrogen bonding C. Hydrophilic interaction D. Condensation</p>
4	High fructose corn syrup has replacedas a sweetener.	<p>A. Maltose B. Sucrose C. Glucose D. Lactose</p>
5	Cellulose is not digested by humans because.	<p>A. It lacks glycosidic bonds B. Human amylase cannot hydrolyze beta (1-4) linkages C. It contains nitrogen containing group D. It is very hard to eat</p>
6	A patient with a clotting disorder likely has a deficiency in .	<p>A. Fibrinogen B. Hemoglobin C. Insulin D. Albumin</p>
7	Which of the following is a purine base.	<p>A. Cytosine B. Uracil C. Adenine D. Thymine</p>
8	Evaporation of 2 ml of water out of 1 litre lower the temperature of remaining 998 ml water by	<p>A. 1 °C B. 2 °C C. 3 °C D. 4 °C</p>
9	Ribosomal RNA comprises approximately what percentage of total cellular RNA	<p>A. 3-4 % B. 10-15% C. 80% D. 50%</p>
10	Haemoglobin has	<p>A. Primary structure B. Secondary structure C. Tertiary structure D. Quaternary structure</p>
11	Chitin differs from cellulose in having	<p>A. Alpha (1-4) linkages B. Nitrogen-containing groups C. Branched glucose chain D. Ether linkage</p>
12	What is the primary role of antibodies.	<p>A. Transport CO₂ B. Catalyze metabolic reactions C. Store iron D. Neutralize antigen</p>
13	The globular structure of protein is maintained by.....bonds.	<p>A. Ionic, hydrogen, disulphide B. Hydrogen, covalent, peptide C. Hydrophobic interactions, hydrogen bond, hydrophilic interactions D. Only hydrogen bond</p>
14	Proteins, nucleic acids and lipids make.....of the dry mass of living organisms.	<p>A. 78% B. 93% C. 50% D. 7%</p>

15	The proteins get coiled or folded within polypeptide chain at	A. Primary level B. Secondary level C. Tertiary level D. Quaternary level
16	Which group is found in all fatty acids.	A. COOH B. SO ₄ C. PO ₄ D. C-N
17	Number of hydrogen bonds between G and C in a DNA helix are	A. 2 B. 3 C. 4 D. 5
18	The honey bees use to make hexagonal chambers of their combs, by producing.	A. Waxes B. Acylglycerol C. Phospholipids D. Terpenoids
19	Which one of the following is NOT the function of cholesterol.	A. Lipid transport B. Precursor of corticosteroids C. Precursor of vit-A D. Precursor of bile acids
20	Actin and myosin are critical for	A. Oxygen transport B. Muscle contraction C. Immune response D. DNA replication