

Class : XIIth Date :

Subject : CHEMISTRY DPP No. : 3

1. Starch on hydrolysis by a dilute inorganic mineral acid gives: a) Sucrose b) Glucose c) Fructose d) Maltose 2. Oleic, stearic and palmitic acids are: a) Nucleic acids b) Amino acids d) None of these c) Fatty acids 3. Oils contain a higher percentage of : a) Stearin b) Butyrin c) Olein d)Palmitin 4. Which of the following pairs give positive Tollen's test? a) Glucose, sucrose b) Glucose, fructose c) Hexanal, acetophenone d) Fructose, sucrose 5. The total number of basic groups in the following form of lysine is H_3N — CH_2 — CH₂N a) 1 b)2 c) 3 d)4 6. Glucose or aldohexose contains: a) One -CHO group b) Five –OH groups c) One primary alcoholic group and four secondary alcoholic groups d) All are correct 7. The monosaccharides having anomeric carbon atom are a) Geometrical isomers b) α – and β – optical isomers c) Having symmetrical carbon atoms d) None of the above

8. The charring product formed when $C_6H_{12}O_6$ is heated with conc. H_2SO_4 is due to: a) Oxidation b) Reduction c) Dehydration d) Dehydrogenation

9.	The unused fat present in the body is: a) Converted into carbohydrates b) Removed as waste from the body c) Reconverted into animal fat and stored in different parts of the body d) Easily destroyed by certain enzymes present in the body			
10.	Which amino acid have a) Aspartic acid	e more than one stereogo b) Lysine	enic centre? c) Arginine	d)Histidine
11.	Ligase is an enzyme real a) Renaturation of DNA		c) Joining DNA bits	d) Breaking of DNA
12.	Surfactants and deterg a) Detergency	ents have the same com b) Surface activity	mon property ofin th c) Viscosity	em. d)None of these
13.	Vitamin B ₆ is known as a) Pyridoxin	b) Thiamine	c) Tocopherol	d) Riboflavin
14.	Sucrose on hydrolysis gives a) Glucose and maltose b) Glucose and lactose c) Glucose and fructose d) Only glucose			
15.	Detergents are better cleansing agent than soaps because: a) They wash clothes better b) Absorb the hardness of water c) They are less affected by hard d) They are less soapy			
16.	The molecular formula a) $C_nH_{2n}O_2$	of a monobasic saturate b) $C_n H_{2n-1}O_2$	ed fatty acid is: c) $C_nH_{2n+2}O_2$	d) $C_n H_{2n+1} O_3$
17.	The reason for double helical structure of DNA is operation ofa) Van der Waals' forcesb) Dipole-dipole interactionc) Hydrogen bondingd) Electrostatic attractions			
18.	Beri-Beri is caused due a) Vitamin A	e to: b) Vitamin B ₁	c) Vitamin C	d) Vitamin D
19.	Which of the following a) Cytosine	is not present in a nucle b) Guanine	otide? c) Adenine	d)Tyrosine
20.	At pH=4, glycine exist a) $_{H_3 N}^{+}$ CH ₂ —COC	s as ₉ -b) _{H3} N——CH ₂ ——COC	_ի Բ) H ₂ N —CH ₂ —COOH	d) H ₂ N —CH ₂ —COO ⁻

