

Class: XIIth Date:

Solutions

Subject: CHEMISTRY

DPP No.: 8

Topic:- Biomolecules

1 (c)

Glucose has five -OH gp. and thus, acylation occurs at all -OH units.

2 **(c)**

It is a fact.

3 **(a)**

All are functions of DNA.

4 **(d)**

Ptyalin enzyme is found in saliva.

6 **(a**)

DNA has nucleotide unit, i.e., sugar + base + H_3PO_4 .

9 **(b)**

Wax is ester.

10 **(d)**

Waxes are the esters of higher fatty acids with higher monohydric alcohols such as mericyl and cetyl alcohols.

11 **(a)**

Nucleic acids (RNA and DNA) are polymers of nucleotides.

12 **(b**)

Both have molecular formula $C_{12}H_{22}O_{11}$.

13 **(d)**

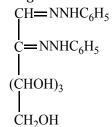
All these are amino acids.

14 (d)

Glycogen is polysaccharide with monomeric units of glucose.

16 **(c)**

One molecule of glucose reacts with 3 molecules of phenyl hydrazine to form glucosazone.



17 **(a)**

Animal starch is glycogen, a polysaccharide having glucose units and is synthesized in

liver.

18 **(d)**

Fructose is $CH_2OH \cdot CO \cdot (CHOH)_3 CH_2OH$.

19 **(b**)

As mixture of amylase and amylopectin is called starch. Amylase is a water soluble fraction while amylopectin is water insoluble fraction.

20 **(d**)

Proteins are soluble in benzene.



ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	C	C	A	D	D	A	С	C	В	D
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	В	D	D	В	C	A	D	В	D

