

Class : XIIth Date : Subject : CHEMISTRY DPP No. : 1

## 1. Glucose and fructose differ in: a) Taste b) Action of heat c) Action of Tollens' reagent d) Direction of optical rotation 2. Digestion of fat in intestine is aided by: a) Diffusion b) Protection c) Peptization d) Emulsification 3. Tributyrin is a fat present in butter. It is formed by combination of butyric acid with: c) Stearic acid a) Glycerol b) Oleic acid d) Chloroform 4. The nucleic acid base having two possible binding sites is b) Cytocine a) Thymine c) Guanine d)Adenine 5. An achiral amino acid a) Alanine b) Valine c) Leucine d) Glycine 6. Insulin regulates the metabolism of a) Minerals b) Amino acids c) Glucose d)Vitamins 7. In glycine, the basic group is a) — COOb)—COOH c) $-NH_2$ d) $-NH_3^+$ 8. Rice has deficiency of the essential amino acid: a) Alanine b) Glycine c) Lysine d) Leucine 9. Mammal's fats are hydrolysed to relase fatty acids by a) Amylase d)Insulin b) Lactase c) Lipase 10. Which of the following has an imino (>NH) group instead of amino group $(-NH_2)$ ? a) Proline b) Isosleucine c) Tryptophan d)Serine

11.	Molecular weight of a j a) 10,000	protein is: b) 1,000-10,000	c) 100-1,000	d)>10,000
12.	Fehling's solution and a) CuO	benedict's solution are r b) Cu <sub>2</sub> O	reduced by glucose to for c) Cu(OH) <sub>2</sub>	rm: d)Cu
13.	The product formed in a) PhCOCH <sub>2</sub> NH <sub>2</sub>	the reaction of glycine $v$ b) PhCH <sub>2</sub> NH <sub>2</sub>	with benzoyl chloride + c) PhCONHCH <sub>3</sub>	aq. NaOH is d) PhCONHCH <sub>2</sub> CO <sub>2</sub> H
14.	Proteins when heated a) Hoppe's test	with conc. HNO <sub>3</sub> give a y b) Acid-base test	vellow colour. This is c) Biuret's test	d)Xanthoprotic test
15.	Detergents are usually made from products obtained by cracking of petroleum like: a) Chloroalkanes b) Sulphur compounds of benzene c) H <sub>2</sub> S d) Polyethylene derivatives			
16.	Night-blindness may b a) A	e cau <mark>sed by the defic</mark> ien b) B	cy of vitamin c) C	d)D
17.	Which of the following a) Glucose	sugars is present in gen b) Maltose	netic factor DNA molecul c) Ribose	e? d)Deoxyribose
18.	Point out the wrong statement about proteins. a) They are nitrogenous organic compounds of high molecular mass b) They on hydrolysis by enzymes give amino acids c) Many of them are enzymes d) They do not contain polypeptide linkages			
19.	Gums are: a) Polysaccharides of more than one type of monosaccharides b) Used as thickening agent c) Used for improvement of texture in food industry d) All of the above			
20.	Which of the following are all disaccharides? a) Maltose, sucrose, lactose b) Maltose, lactose, glucose c) Glycogen, lactose, sucrose d) Starch, maltose, lactose			