

సోమవారం 16 మార్చి 2020 - ఆదిలాబాద్

36) 2

Formation of RBC is because of? 3) 2 - Deoxyribose 4) Fructose HC=O HC=O BIOMOLECULES - OH OH-- H LEVEL I B - KEY н — Continued from 15th March 1) 1 2) 4 3) 1 4) 3 5) 2 6) 3 7) 4 НО — —н но — - H LEVEL I B 8) 2 9) 2 10) 3 11) 1 12) 1 13) 3 14) 2 or Feedback **CARBOHYDRATES** 15) 3 16) 2 17) 1 18) 1 19)3 -OH н----н-----OH vijetha.nt@gmail.com 1. Which of the following is a ketohexose? 2)Glucose 1)Fructose LEVEL II A CH₂OH CH₂OH 4)Starch 3)Ribose CARBOHYDRATES Which of the following is not a sugar? 2. 1. C-1 2. C-2 3. C-3 4 C-4 1. Which of the following statements is true 1) Sucrose 2) Glucose regarding a carbohydrate having five carbon AMINO ACIDS AND PROTEINS 3) Fructose 4) Starch atoms and an aldehyde group? 15. The structural feature which distinguishes Which of the following is an example of 3. Dr. Krupakar Pendli 1) It can have 8 stereo isomers proline from α -amino acids is aldotriose **Centre Head** 1) Glyceraldehyde 2) Ribose 2) It can have 4 stereo isomers 1) It is optically inactive 2) It contains aromatic group 3) Fructose 4) Erythrose 3) It can have 2 sterero isomers Urbane junior colleges 3) It is a dicarboxylic acid Which of the following is a disaccharide ? 4) All the above 4) It is a secondary amine 7893774888 1) glucose 2) Fructose Which of the following is different with refered 3) Sucrose 4) Starch 16. β - pleated structure of proteins is to D, L-Configuration? Which of the following is an example of 5. 1) Primary structure 2) Secondary structure 27. At pH = 4, glycine exists as: aldopentose? 3) Tertiary structure 4) Quaternary structure СООН COOH 1) Glyceraldehyde 2) Ribose 17. Number of peptide linkages in the artificial $1)H_{3}N-CH_{2}-COO^{-}$ $2)H_{3}N-CH_{2}-COOH$ 3) Fructose 4) Erythrose sweetener "aspartame" is - OH 2)H-OH 1)H-MONOSACCHARIDES 2) 21 4) 11 1)2 3)1 3) H₂ N - CH₂ - COOH 4) H₂ N - CH₂ - COO⁻ 18. For a neutral amino acid (X), isoelectric point 6. Which of the following carbohydrates is the 28. A nanopeptide contains how many peptide essential constituent of all cell walls? CH,OH CH, is 5.8. Now its solubility at this point in water linkages? 1) Starch 2) Maltose 3) Cellulose 4) Sucrose is 1)10 2)8 3)9 4)18 СООН СНО 1) maximum 2) minimum The reagent which may be used to distinguish 7. 29. The bonds in protein structure, that are not 4) unpredictable 3) zero cane sugar and glucose solutions is broken on denaturation ,are: 1) I, solution 2)Baever's reagent 3) OH-— ОН 1) Hydrogen bonds 2) peptide bonds 3) Both 1 & 2 4)Fehling's solution 3) ionic bonds 4) disulphide bonds Five membered ring structure of glucose is JEE MAIN 30. Which of the following is an L-amino acid? CH, CH.OH known as Special COO^{θ} COO 3. Which of the following is least related to the 1) Aromatic 2) Furanose other three ? 1) $H_3 \mathring{N} - H$ 2) $H_3 \mathring{N} - H$ H R 3) Pyranose 4) Baeyer's structure 1) Galactose 2) Glucose 9. In the ring structure of fructose, the anomeric 19. Protein with special three dimensional 3) Mannose 4) Arabinose carbon is: structure and biological activity is called: The end product (B) formed in the reaction 1) C-1 2)C-2 3)C-5 4)C-6 1) native protein 2) Conjugative protein sequence 3) $H \xrightarrow{\text{COO}^{\theta}} \overset{\text{COO}^{\theta}}{\underset{R}{\longrightarrow}} A$ (4) $H_3 \overset{\Theta}{\underset{R}{\longrightarrow}} H$ 10. Starch consists of two polymeric units, namely 3) Simple protein 4) Globular protein Glucose $\xrightarrow{HCN} A \xrightarrow{HI,p} B$ 1)cellulose and cellobiose 20. A mixture of α – amino acids is obtained when 2)glycogen and collagen proteins are hydrolysed by 1) Hexanoic acid 2) Hexane 3) amylose and amylopectin 1) Acids 2) Bases 3) Heptane 4) Heptanoic acid 4)inulin and pectin 4) All 3) Enzymes Which of the following statements about (+) VITAMINS 11. On hydrolysis of starch , we finally get: 21. In aqueous solutions, amino acids mostly (-) sucrose is not correct ? 31. Formation of RBC is because of 1)glucose 2)fructose exist as 1) it does not posses a free aldehydic (or) ketonic 2) Vitamin B_{12} 1) Mucoprotein 3) glucose and fructose both 4) sucrose 1) NH₂-CHR-COOH 2) NH₂-CHR-COO⁻ group 3) Vitamin C 4) Both 1 & 2 12. Which of the following is the most abundant 2) on hydrolysis, it produce invert sugar 3) $N_3H^+ - CHR - COOH$ 4) $H_3N^+ - CHR - COO^-$ 32. The vitamin which is water soluble and carbohydrate found in plants? 3) it is an a - D-Glucoside 22. The chemical change in a DNA molecule that antioxidant is 1)Cellulose2)starch 3) Lipids 4)Fructose 2. Vitamin B₁₂ 4) It undergoes mutarotation leads to the synthesis of proteins with 1. Vitamin B, AMINO ACIDS AND PROTEINS Sucrose reacts with acetic anhydride to form different amino acids sequence is called, 4. Vitamin E 3. Vitamin C 13. The number of amino acids in insulin is 1) Penta - acetate 2) Hexa - acetate 1. Allergy 2. Mutation 33. Which of the following vitamin contains ionone ring and hydrocarbon chain? 1.21 2.574 3.51 4.5733 3) Tetra - acetate 4) Octa - acetate 3. Transcription 4. Metabolism 1) Retinol 7. All monosaccharides containing five or six 2) Calciferol 14. Which of the following amino acids does not 23. If the amino group of Glycine and carboyxylic 3) Thiamin 4) Riboflavin acid group of alanine undergo elimination of carbon atoms have correspond to the general formula given 34. Which vitamins are present in much smaller below 1) Open chain Structures water molecule, the name of the compound amounts in cells R - CH(NH,) - COOH 2) Pyranose structure thus formed is 3) B & C 4) K 1) A 2) D 3) Furanose structures 1) Alanylglycide (dipeptide) 1) Cysteine 2) Proline 2) Glycyl alanide (tri peptide) NUCLEIC ACIDS 4) may have pyranose or furanose structures 4) Glutamic acid 3) Argenine 8. Configuration of mannose and glucose differ 3) Glycyl alanine (dipeptide) 15. The amino acids are the end products of the 35. In the sequence of changes/processes, at C-2 position ,they termed as: 4) Alanylglycine (dipeptide) digestion of, $X \xrightarrow{replication} Y \xrightarrow{trancription} Z \xrightarrow{translation}$ 1) epimers 2) anomers 24. The secondary structure of a protein refers 2) Fats 1) Lipids Proteins X, Y and Z are 3)racimers 4)mesomers to 3) Proteins 4) Enzymes 1) DNA, DNA and RNA 2) RNA, RNA and DNA 0 Which of the following disaccharide has 1) α - helical back bone 3) DNA, RNA and RNA 4) DNA, RNA and DNA VITAMINS different type of linkage? 2) hydrophobic interactions 36. RNA and DNA are chiral molecules ,their 16. Deficiency of vitamin E causes 1) maltose 2) Galactose 3) Starch 4) Sucrose 3) Sequence of α -amino acids chirality is due to : 1) Night blindness 2) Loss of fertility 10. Starch is made up of : 4) fixed configuration of the polypeptide back 1) Chiral Phosphate ester units 3) Scurvy 4) Impaired clotting 1) α -glucose pyranose 2) β -fructose pyranose bone 2) D-sugar component 25. Nature of aqueous solutions of two different 17. Which one of the following is synthesized in 3) β -fructose furanose 4) both (1) and (3) 3) L-sugar component 4) chiral bases amino acids X and Y are acidic and basic.Now our body by sun rays? 11. In alkaline medium fructose is -X and Y are 2) Vitamin B 1) Vitamin D 1. An aldose 2. A reducing sugar LEVEL-IAKEY 1) Alanine and valine 3) Vitamin K 4) Vitamin A 3. A non reducing sugar 4. A furanose 2) Aspartic acid and Asparagine 1) 4 2) 3 3) 4 4) 4 5) 4 6) 4 7) 4 18. All vitamins are synthesised by 12. Glucose will show mutarotation in _____solvent 3) Glutamine and Glutamic acid 2) human beings 1) plants 8) 1 9) 4 10) 1 11) 3 12) 3 13) 2 14) 2 1. acidic 2. basic 3. neutral 4. amphiprotic 4) Aspartic acid and Lysine 3) fishes 4) all 13. The two forms of D-glucopyranose obtained 15) 4 16) 2 17) 1 18) 2 19) 1 20) 4 21) 4 26. The forces that stabilize the 2° and 3° from the solution of D-glucose are called NUCLEIC ACIDS 22) 2 23) 4 24) 1 25) 4 26) 3 27) 2 28) 2 structure of protein are: 1. isomer 2. anomer 3. epimer 4. enantiomer 19. The carbohydrate present in DNA is 2) Disulphide linkages 29) 2 30) 2 31) 2 32) 3 33) 1 34) 3 35) 1 1) H-bonds 14. At which carbon are the following sugars 1) L - glucose 2) D - ribose 3) Both 1 and 2 4) Covalent bonds

epimers of each other?