

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1
SEMESTER EXAMINATIONS
APRIL – 2016
ALLIED : BIOCHEMISTRY

CABC4A

Time: 3 Hrs

Max. Marks: 75

SECTION – A (10 X 2 =20)**Answer ALL the questions.**

1. Write the linear and Haworth structure of Glucose.
2. Write note on Osazone Reaction.
3. Write the reaction of Amino acids with FDNB.
4. Define: Isoelectric pH.
5. What is Peptide Bond?
6. Define Salting in and out.
7. Define: Acid Number.
8. What is Emulsification?
9. Differentiate Nucleoside and Nucleotide.
10. Write notes on different types of DNA.

SECTION – B (5 X 5 =25)**Answer any FIVE of the following questions.**

11. Write the oxidation and reduction properties of Glucose.
12. How are Carbohydrates classified?
13. Describe the reaction of amino acids with Ninhydrin.
14. Write briefly on Denaturation of Proteins.
15. Describe the structure and biological importance of saturated and unsaturated Fatty Acids.
16. Name the different types of RNAs and discuss the structure of tRNA.
17. Write the difference between DNA and RNA.
18. Write brief notes on simple proteins.

SECTION – C (3 X 10 =30)**Answer ALL the questions.**

19. a) Describe the Watson and Crick Model of DNA Structure.
(Or)
b) Write an account on Classification of Lipids with an example.
20. a) Define polysaccharides and describe the structure of Starch.
(Or)
b) Discuss the structure and functions of two biochemically important disaccharides.
21. a) Describe the classification of amino acid based upon their structure.
(Or)
b) Discuss the organization of Protein Structure.

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