

ANNAI VIOLET ARTS AND SCIENCE COLLEGE
DEPARTMENT OF MICROBIOLOGY

CONTINUOUS INTERNAL ASSESSMENT – II (ODD SEM.)
SUBJECT : BIOCHEMISTRY I

Class : I B.Sc MB

Date : 03.11.2022

Max.Marks : 75

Sub. Code: SB31A

PART A (10 × 2 = 20 Marks)

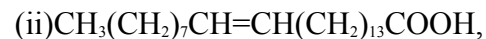
Answer any TEN questions

1. Define Saccharide
2. List out the Classification of Monosaccharide
3. Difference between aldo sugar and Keto sugar.
4. Write any 4 derivatives of Monosaccharide.
5. Write any 2 comparison between EAA & NEAA
6. Draw the general structure of amino acid
7. List out Aromatic amino acids.
8. List out Sulphur containing amino acid.
9. Draw the structure of Cholesterol.
10. Write any 2 functions of lipids.
11. Difference between Saturated and Unsaturated Fatty acid.
12. Name the Saturated fatty acid $\text{CH}_3(\text{CH}_2)_8\text{COOH}$

PART B – (5 × 5 = 25 Marks)

Answer any FIVE questions

13. What is Glycan and explain source & Function of Starch
14. Explain about Source ,Function and Howarth Formula of Milk Sugar
15. Write Notes on Aliphatic ,Aromatic and Sulphur Containing Amino acids
16. Write the Properties of Amino acids
17. Write Notes on Saturated and Unsaturated fatty acid
18. Write the Systemic name and carbon skeleton of the following Unsaturated fatty acid (i) $\text{CH}_3\text{CH}=\text{CHCOOH}$,



19. Write the formula for the following Unsaturated fatty acid
(i) 9,12,15-octadecatrienoic acid, (ii) 11-octadecenoic acid, (iii) 2-butenic acid.

PART C – (3 × 10 = 30 Marks)

Answer ANY THREE questions

20. Elaborate on the structure, types and properties of polysaccharide.
21. Explain about the Bloor's Classification of lipids
22. Explain about Zwitter ion ,Iso electric point,Iso electric pH, Amphoteric nature of amino acids
23. Explain about Classification of fatty acid with examples
24. Explain about Classification of Lipids.

Prepared by
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