

ANNAI VIOLET ARTS AND SCIENCE COLLEGE

DEPARTMENT OF BIOCHEMISTRY

CONTINUOUS INTERNAL ASSESSMENT – I (ODD SEM.)

SUBJECT : BIOMOLECULES

Class : II B.Sc., Biochemistry

Date :02.09.2022-FN

Max.Marks : 50

Sub. Code: SB23A

PART A ($5 \times 2 = 10$ Marks)

Answer any FIVE questions

1. Write any 2 significance of Carbohydrates.
2. Differentiate between reducing and non reducing sugar.
3. Define epimers.
4. Differentiate amylose and amylopectin.
5. Give the functions of Cellulose.
6. Give the structure of Glycogen.
7. Give the structure of acidic amino acids.

PART B – ($2 \times 5 = 10$ Marks)

Answer any TWO questions

8. Comment on Mutarotation.
9. Write Short notes on Bacterial cell wall polysaccharide.
10. List out Essential Amino acids with its structure.

PART C – ($3 \times 10 = 30$ Marks)

Answer ALL questions

11. Discuss the reactions of monosaccharide due to hydroxyl, aldehyde and ketone group.
12. Comment on the structure and functions of Polysaccharides.
13. How are 20 amino acids classified with structures?

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