

**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 × 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 × 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 × 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 o Polysaccharides
13. How are 20 amino acids classified with structures?

**Prepared by  
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Asst.Prof-Biochem.**