

**ANNAI VIOLET ARTS AND SCIENCE COLLEGE  
DEPARTMENT OF BIOCHEMISTRY**

**ODD SEMESTER- CIA - I  
SUBJECT: ANALYTICAL BIOCHEMISTRY**

**Class: III B.Sc (BC)**

**Exam Date: 02.09.2022**

**Max.Marks: 50**

**Sub. Code:**

**PART A (5 x 2 = 10 MARKS)**

**Answer any FIVE questions**

1. Write the scale of pH with example.
2. Define normality
3. What are buffers?
4. HPLC.
5. Write the principle of paper chromatography.
6. Two application of affinity chromatography.
7. Structure of TEMED.

**PART B – (2 x 5 = 10 MARKS)**

**Answer any TWO questions**

8. Write short notes on Clark oxygen electrode.
9. Elucidate the applications of TLC.
10. What are the factors affecting electrophoresis?

**PART C – (3 x 10 = 30 marks)**

**Answer ALL questions**

11. Derive the HH Equation.
12. Explain the principle procedure and application of Ion exchange Chromatography.
13. How would perform starch gel electrophoresis? Mention its merits and demerits.

**Prepared by**  
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