

2009

MOLECULAR BIOLOGY — GENERAL — PRACTICAL

Third Paper

(Group A : Biochemistry)

Full Marks – 50

The figures in the margin indicate full marks

1. What is 'formol titration'? Estimate the amount of glycine in the given sample labelled 'X' by formol titration. 3+12

Or

- What is the principle of paper chromatography? Separate the given mixture of amino acids by paper chromatography. Determine the R_f -values of individual amino acids. 3+12

Or

- Estimate the amount of ascorbic acid in the given sample 'Y' by titration with 2, 6-dichlorophenol indophenol. What is the basic principle of this titration? 12+3

2. Identify the given sample labelled 'A' by qualitative tests as amino acid, protein, starch, reducing sugar or cholesterol. Write down the processes and observation and your inference in tabular form. 20

3. Laboratory Note Book. 5

4. Viva-Voce. 10