

**2020**

**BIOCHEMISTRY — HONOURS — PRACTICAL**

**Paper : CC-1P**

**Full Marks : 30**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

1. Describe thin layer chromatography for separation of amino acid by mentioning following points :
    - (a) Principle
    - (b) Stationary phase
    - (c) Mobile phase
    - (d) Rf value
    - (e) Schematic diagram of a chromatogram. 2+(1×4)
  
  2. Write the principle of unknown protein estimation by using Lowry method and mention the following points :
    - (a) Principle
    - (b) Draw standard curve with supplied values  
As 5 µg, 10 µg, 20 µg, 40 µg, 60 µg, with O.Ds. 0.1, 0.2, 0.4, 0.75, 0.90 respectively
    - (c) Estimate the concentration of protein from standard curve with supplied absorbance (given by the examiner) of unknown protein. 2+5+2
  
  3. Online tutorial document. 5
  
  4. Viva voce. 10
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