

**2012**

**M.Sc.**

**1st Semester Examination**

**BIOCHEMISTRY**

**PAPER—BIC-105**

**(PRACTICAL)**

*Full Marks : 40*

*Time : 3 Hours*

*The figures in the right-hand margin indicate full marks.*

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

*Answer all questions.*

1. Separate the amino acids from a supplied sample (A) through Thin Layer Chromatography (TLC) comparing with given standards calculate the R<sub>f</sub> value of unknown amino acids and discuss the result.

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[ Note : Principle — 3, Work — 3.  
Result — 5, Discussion - 4 ]

*(Turn Over)*

2. Run the supplied protein(s) sample in a SDS-PAGE set up. Calculate the molecular weight of the protein(s) comparing with known standard. Comment on your result.

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[ Note ; Principle — 2, Work — 6,  
Result — 4, Discussion — 3 ]

3. Practical Note Book. 5
4. Viva-Voce. 5
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