

**2015**

**M.Sc.**

**2nd Semester Examination**

**BIOTECHNOLOGY**

**PAPER—BIT-205**

**(PRACTICAL)**

*Full Marks : 40*

*Time : 6 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. Set up an experiment for the quantitative estimation of total sugar from a given sample and calculate its quantity in microgram ( $\mu\text{g}$ ) per ml. unit.  
[Principle-2, Procedure-3, Result-8, Comments-2] 15
2. Separate and identify the amino acids in the given sample by 'TLC' method. Calculate their Rf value.  
[Principle-2, Procedure-3, Result-7, Comments-3] 15
3. Laboratory Note Book. 5
4. Viva-Voce. 5