

**2013**

**M.Sc.**

**2nd Semester Examination**

**BIOTECHNOLOGY**

**PAPER—BIT-205**

**(PRACTICAL)**

*Full Marks : 40*

*Time : 4 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 in the given sample and calculate the quantity. 15
2. Set up an experiment for the separation of amino acids by TLC and calculate the respective R<sub>f</sub> values of the given amino acids.

*Or*

*Estimate the amount of unsaturation value from the given oil sample.*

- [Principle-2, Work-3, Result-7, Comments-3] 15*
3. Practical record book. 5
  4. Viva-Voce. 5
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