

**2013**

**M.Sc.**

**2nd Semester Examination**

**MICROBIOLOGY**

**PAPER—XI(B) (MCB-205B)**

**(PRACTICAL)**

*Full Marks : 30*

*Time : 5 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.*

**Group—B**

**[Marks—30]**

*Answer all questions.*

1. Find out the information regarding Structural Genomics of *E. Coli* from the website through Bioinformatics tools. 6
2. From the supplied data create a Line-diagram in MS-EXCEL. 5
3. Retrieve anoted protein sequences of your choice and show the region of maximum homology through Multiple sequence alignment. 6
4. Viva Voce. 5
5. Laboratory Note Book. 3
5. Internal Assessment. 5