

**2016****M.Sc.****2nd Semester Examination****MICROBIOLOGY****PAPER—MCE-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 one prokaryotic and one eukaryotic organisms genome from w.w.w. through Bioinformatics tools. 6
2. From the supplied data draw a appropriate graph in MS-EXCEL with SE. 6
3. Retrieve annotated protein sequences of any three enzymes of bacteria/fungi/Virus and show the region of maximum homology through multiple sequence alignment. 6
4. Viva Voce. 4
5. Laboratory note book. 3
6. Internal Assessment. 5