



**MANGALORE UNIVERSITY**  
**DEPARTMENT OF MICROBIOLOGY**  
**MSc Microbiology**

**MBP- 453: Practical III (Microbial Physiology)**

1. Estimation of inorganic phosphate by AAMmethod
2. Estimation of organic carbon by chromicacid
3. Estimation of organic carbon by titrimetricmethod
4. Triple sugar Iron test
5. Urease production test
6. Determination of catalase activity
7. Determination of  $V_{max}$  and  $K_m$  value
8. Qualitative testing of carbohydrates (Glucose, Fructose, Lactose, Starch)
9. Estimation of proteins
10. Estimation of Lipids (Cholesterol, Phospholipids, triacylglycerols)

