

2010

**MICROBIOLOGY – HONOURS – PRACTICAL**

**Seventh Paper**

**Full Marks – 100**

*The figures in the margin indicate full marks*

**(Under 2+1 and 1+1+1 – Old Systems)**

1. Write the principle of Protein/RNA/DNA estimation. Prepare a standard curve of the supplied sample (Protein/RNA/DNA). Find out the concentration of the unknown from the graph. Represent the protocol and results in tabular form only. 25
2. Write the principle of  $K_m$  and  $V_{max}$  determination. Determine the  $K_m$  and  $V_{max}$  of the alkaline phosphatase supplied (E). Represent the protocol and results in tabular form only. 35
3. Viva Voce. 25
4. Laboratory Note Book. 15