

## **M.Sc. SEMESTER III**

**COURSE – 15 Practical Zoology (III) LABORATORY MANUAL AND RECOERD**  
**Credits –4**

**Paper code: MZO605(L)**  
**Marks: 100**

**Total**

Unit –1: Total count and differential count of leucocytes

Unit –2: Determination of total red blood cells and white blood cells in the blood sample

Unit –3: Estimation of serum proteins

Unit –4: Estimation of Albumin and globulin

Unit –5: Blood groups

Unit-6: Emulsion Stability Test

**BLOCK – I Fundamental Techniques of Biotechnology**

Unit –11: General histology and Cell Tissue Culture

Unit –12: Cell Culture

Unit –13: The Stem Cell

Unit –14: Propagation and maintenance of tissue culture

**BLOCK – II Applied Biotechnology**

Unit –15: Microbiology – testing and evaluation of coliform bacteria

Unit –16: Phytoplankton's and Zooplanktons