

# 18BP013 REMEDIAL BIOLOGY LABORATORY

## LABORATORY EXPERIMENTS

### PRACTICAL

2 HOURS / WEEK

1. Introduction to experiments in biology
  - a) Study of Microscope
  - b) Section cutting techniques
  - c) Mounting and staining
  - d) Permanent slide preparation
2. Study of cell and its inclusions
3. Study of Stem, Root, Leaf, seed, fruit, flower and their modifications
4. Detailed study of frog by using computer models
5. Microscopic study and identification of tissues pertinent to Stem, Root Leaf, seed, fruit and flower
6. Identification of bones
7. Determination of blood group
8. Determination of blood pressure
9. Determination of tidal volume

### REFERENCE BOOKS

1. Practical human anatomy and physiology. By S.R.Kale and R.R.Kale.
2. A Manual of pharmaceutical biology practical by S.B.Gokhale, C.K.Kokate and S.P.Shriwastava.
3. Biology practical manual according to National core curriculum .Biology forum of Karnataka. Prof.M.J.H.Shafi

### TEXT BOOKS

- a. Text book of Biology by S. B.Gokhale
- b. A Text book of Biology by Dr. Thulajappa and Dr.Seetaram.

### REFERENCE BOOKS

- A. A Text book of Biology by B.V. Sreenivasa Naidu
- B. A Text book of Biology by Naidu and Murthy
- C. Botany for Degree students By A.C.Dutta.
- D. Outlines of Zoology by M. Ekambaranatha ayyer and T. N. Ananthkrishnan.
- E. A manual for pharmaceutical biology practical by S.B. Go hale and C. K. Kolkata

