LIFE SCIENCES FOR ENGINEERS LAB PVP-19 Regulation

Course Code	19BS1351	**Year**	II	**Semester**	I
Course Category	Basic Sciences	**Branch**	ME	**Course Type**	Lab
Credits	1	**L-T-P**	0-0-2	**Prerequisites**	Nil
Continuous Internal Evaluation:	25	**Semester End Evaluation:**	50	**Total Marks:**	75

Course Outcomes

After successful completion of the course, the student will be able to

CO1	Understand basic facts and concepts in life sciences.(L2)
CO2	Evaluate and explain different processes in industrial applications(L5)
CO3	Summarize the applications of various spheres in life sciences in relevance to future studies (L2)
CO4	Develop the ability to apply the principles of Mendalian laws and acquire problem solving skills.(L3)

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:High, 2: Medium, 1:Low)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3						2							
CO2	3						2							
CO3	3						2							
CO4	3						2							

Syllabus

Expt.No	Contents	Mapped CO
I	Microscopy	CO1, CO3
II	Dissect & mount different parts of plants using Microscope	CO1, CO3
III	Estimation of Proteins by using Biuret method	CO1, CO2
IV	Estimation of enzyme activity.	CO1, CO2
V	Estimation of chlorophyll content in some selected plants.	CO1, CO3
VI	Nitrogen Cycle: Estimation of Nitrates /Nitrites in soil by using Spectrophotometer	CO2,CO3
VII	Mendal's laws	CO1, CO4
VIII	Solve Problems based on Mapping .	CO2, CO4