

Extension experiments conducted - Department wise:

S.No	Departmental Activities				Beneficiaries from different Departments			
	Botany	Chemistry	Physics	Zoology	Botany	Chemistry	Physics	Zoology
1.	Preparation of herbarium and identification of Ethano-botanical important plants	To carry out solid phase synthesis of azomethines mechanochemically	Develop an algorithm to apply Morse Potential in learning properties of diatomic molecules using SCILAB.	Staining of Histone proteins by Fast green	17	102	20	34
2.	Introduction to Bioinformatics and Python and Recent Trends in Health care AI	Determination of Alkalinity of soap solution-PSC	Understand Maxwell Boltzmann distribution theory and applications using SCILAB.	Differential Staining of RNA and DNA in fish blood cells	24	122	50	34
3.	Hands on training on literature search from PUBMED	Effect of pH on the activity of α amylase	Understand Wood Saxon potential and apply it in modelling using SCILAB.	Study of microscopy for studying cytochemical stains		43	2	34
4.	Working of Microscope with camera and taking images from it	Bromination by Green Method	Realize 5 variable k map; PSE 2nd Sem, June 2022	Introduction and purpose of cytochemical staining in cell biology	24	126	3	34

5.	Identification of plants mentioned in the AbhigyanSakuntalam, with Hindi department	Bromination by Green Method	Design a specific Voltage crossing detector using 741 IC (amplifier)	Study of phagocytic activity of head kidney and splenic macrophages in <i>Heteropneustes fossilis</i>	56	131	1	34
6.	To estimate TDS of five water samples	Enthalpy of dissociation of Ammonium Hydroxide using Hess's Law.	Modeling & Solving Physics Problems: Motion of Falling body in a Resisting Medium, Variation of current & charge in a LR circuit, Projectile Motion, Energy Oscillation in LC Circuit	Study of Life cycle and culture of <i>Drosophila melanogaster</i>	24	97	100	48
7.	Identification of medicinal plants and part of plant used	Enthalpy of Neutralization of weak acid and weak base by using Hess's Law	Plotting Cornu's Spiral by Numerical Integration of Fresnel Integrals	Study of Imaginal Discs, Salivary glands and Polytene chromosome in <i>Drosophila</i> .	24	106	100	48
8.	Identification and classification of plants in the campus	Extra element detection- Green method	Solve time independent Schrodinger wave equation for a particle trapped in an infinite potential well using XCOS computational tool	Study of morphology and sex determination in <i>D. melanogaster</i>	24	86	25	48

9.	To study karyotypes of different plants and to prepare an ideogram to classify the karyotypes into various symmetry classes	Preparation of copper nanoparticles by different chemical precursors using chemical reduction method	Solve time independent Schrodinger wave equation for a particle trapped in a modified potential well with different potential height using finite difference	How to write a Scientific Review Paper.	24	86	25	28
10	How to use the autoclave and other sterilization techniques	To determine the acid value of given oil	Solve time independent Schrodinger wave equation for s- wave of hydrogen atom using XCOS tool	Estimation of Dissolved oxygen in water samples collected from different sites of Delhi	24	79	25	28









