

Branch Name:	Physics
Program Code:	SC105
Course Name:	Physics Practical
Course Code:	2SC1050505
Pre-requisite Course:	

Course Objectives:

1. To develop an actual understanding of the physics concept by practically.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
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Subject Contents:

Paper	Content	Session	Weightage (%)
501	1. Acceleration due to gravity (g) using Katter's pendulum (with movable and fixed knife edges) 2. Determination of Thermal conductivity 'K' of a rubber tube. 3. Study of thermocouple 4. Velocity of sound in air using CRO 5. G.M. Counter (Plateau Characteristics)	15	25
502	1. Refractive index ' μ ' by total internal Reflection method using Gauss eye piece 2. Resolving power of grating 3. To study absorption spectra of Iodine gas molecule 4. Newton's Ring (determination of R) 5. To study absorption spectra of liquid (KMnO ₄)	15	25
503	1. Comparison of capacity (C ₁ /C ₂) using method of mixture 2. Measurement of frequency f and phase difference ' θ ' of a.c. wave using CRO 3. Calibration of magnetic field 4. Determination of M and H using Deflection and Vibrational Magnetometer 5. e/m Thomson method	15	25
504	1. A study of transistorized Colpitt's oscillator using CRO/Wave meter 2. Negative Feedback Amplifier 3. A study of Half subtractor and Full subtractor 4. To determine frequency of AFO using Wein bridge 5. Use of Computer- Programming in 'c' language.	15	25