

Branch Name:	Physics
Program Code:	SC105
Course Name:	Physics Practical
Course Code:	2SC1050605
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 (%)
601	1. Young modulus 'y' by Koenig method. 2. Optical Lever 3. Viscosity by Log decrement 4. I-V Characteristic of solar cell and determination of F.F, V.F.& n. 5. G.M. Counter (Comparison of Intensities)	15	25
602	1. To determine air gape 't' between two plates of F.P. Etalon and determination of wavelength 'λ' of monochromatic light 2. Temperature of Flame 3. Newton's Ring (Determination of Wave length of Light) 4. To determine λ and dλ of sodium light using Michelson interferometer 5. Determination of wavelength of light by Lloyd's mirror.	15	25
603	1. Mutual induction 'M' of two coils using B.G. 2. High resistance 'R' using leakage method 3. Maxwell's Bridge 4. Solenoid Inductor 5. Susceptibility of FeCl ₃ using Quienk's method	15	25
604	1. A study of transistorized Hartley Oscillator using CRO/Wave meter 2. I/P and O/P impedance of a R-C CE amplifier at different frequency using VTVM/CRO 3. A study of Transformer coupled Amplifier using VTVM/CRO (voltage gain frequency response and band width) 4. Diac characteristics 5. Characteristic of SCR	15	25