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Course outcome (For all V Semesters) Revised New Syllabus (2020-2021) by APSCHE.

Course	Title of the paper	Outcomes
Course-1 (Th.)	PAPER I Classical Mechanics	**CO1:** Apply mathematical methods in the analysis physical
		aspects **CO2**: Know the importance of minimizing methods in the measurements of errors, so as to maintain accuracy in practical observations **CO3**: Understand the effect of gravitation on rigid bodies GPS, students will also know about Astronautics.
PH: (Pr.)	Practical I A	**CO1**: To apply mathematical methods in the analysis of physical aspects **CO2**: To minimize methods in measurements of errors to maintain accuracy in practical observation **CO3**: understanding effect of gravitation on rigid bodies and to learn relativistic variation of time and length under different frames of reference
PH: Th.	Waves and oscillations	**CO1:** To compare and analyze the wave motion in different fluids, to learn about coupled oscillations. **CO2**: To make the student learn about oscillation of a body, stretched and pendulum **CO3**: To learn about ultrasonic waves and its production and detection methods Students in this time they were also educated of coupled oscillations.

PH: Pr.	Practical I B	**CO1:** To apply mathematical methods in the analysis of physical aspects **CO2**: To minimize methods in measurements of errors to maintain accuracy in practical observation **CO3**: understanding effect of gravitation on rigid bodies and to learn relativistic variation of time and length under different frames of reference
PH -2: Th.	PAPER II Optics and Lasers	**CO1**: Understand of various phenomena occurring in nature by Applying the basic laws in physics **CO2:** Become aware of the basics in latest transmission techniques involved communications **CO3**: Apply the concepts while appearing for competitive exams leading to post graduation and others
PH: Pr.	Practical II A	**CO1**: Understanding different concepts of Heat **CO2**: Awareness of important concepts of Optics **CO3**: Measuring experimentally the physical constants like ω, λ, θ,K,s and to verify standard values
PH :3: Th.	PAPER III Thermal Physics, Radiation physics	**CO1:** Understand various physical processes involved in nature, Radiation in nature. **CO2**: Analyze a physical phenomenon based on physical laws **CO3**: Apply the concepts and principles to face competitive examinations leading to higher studies and others

PH: Pr.	Practical III A	**CO1**: Understanding different concepts of Heat **CO2**: Awareness of important concepts of Optics **CO3**: Measuring experimentally the physical constants like ω, λ,θ,K,s and to verify standard values, and learning about the Radiation physics, radiation of Sun light.
PH :4: Th.	PAPER IV Electricity Magnetism and Electronics	**CO1:** Understand the basic concepts in physics in relation to the effect of charges at rest and motion under combination of electronic and magnetic fields. **CO2**: Understand the working principles of electric devices and analyze electric circuits **CO3**: To develop the skills of students in connecting different types of electric circuits and the measurements of various parameters
PH :5 Th.	PAPER V Modern Physics	**CO1:** Gain insight into the nucleus of the atom and various concepts, principles and measurements regarding radioactive radiations. **CO2**: Acquire wider knowledge of solid state physics.in that crystal structure, Bragg's X-ray diffraction pattern, uses of super conducting material, it's types.in nuclear physics students will learn about magic numbers and nuclear models. **CO3**: Gain insight into classical and quantum aspects in the behavior of particles and the dualistic nature of matter and light.

PH: Pr.	Practical IV A	**CO1:** Developing skills of connecting different types of electrical circuits **CO2**: Measuring values of potential difference and currents in various types of circuits. **CO3**: Understanding basic principles and working of electronic devices.
PH: Pr	Practical V A	**CO1: developing the skill of practical knowledge on thermistors** **CO2: Measuring the values of e/m of electron, energy band gap of a semiconductor devise** **COS:3Understanding about the M/H values., photo electric effect**