Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Physics

Course Outcomes (COs) – B.Sc. Physics

CO1: Understanding of Fundamental Concepts

Students will be able to explain basic principles of classical mechanics, thermodynamics, optics, electricity, and magnetism.

CO2: Application of Mathematical Tools

Students will be able to apply mathematical techniques (algebra, calculus, vectors) to solve physics problems.

CO3: Experimental Skills

Students will be able to perform laboratory experiments, handle instruments like vernier callipers, screw gauge, spectrometer, and analyze data accurately.

CO4: Data Analysis and Error Estimation

Students will be able to analyze experimental data, calculate errors, and interpret graphical results.

CO5: Understanding Modern Physics

Students will be able to describe concepts of quantum mechanics, atomic physics, nuclear physics, and solid-state physics.

CO6: Computational Skills

Students will be able to use basic computational tools such as MS Excel, Python, or other software for data analysis and visualization.

CO7: Problem-Solving and Critical Thinking

Students will be able to solve numerical and conceptual problems using logical reasoning and scientific approach.

CO8: Communication and Scientific Reporting

Students will be able to present scientific results effectively through reports, presentations, and viva voce.

Head
Department of Physics
A.A. College.Manchar