

Rayat Shikshan Sanstha's
BALWANT COLLEGE VITA
Department of Physics
Program Outcome (PO)

After completion of graduation, students will be able to acquire the following attributes,

PO-1.	Acquire knowledge of fundamentals, models, basic scientific principles and methods.
PO-2.	Solve the problem and also think methodically, independently and draw a logical conclusion.
PO-3.	Able to use proper communication skills for successful interaction in personal and public life.
PO-4.	Able to undertake projects/tasks, plan and implement effectively.
PO-5.	To inculcate the scientific temperament in the students and outside the scientific community.
PO-6.	Use modern techniques, decent equipment and software used in different fields of science.
PO-7.	To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.
PO-8.	Apply ethical principles and appreciate the importance of ethical practices in professional life and uphold human dignity.
PO-9.	Able to undertake activities informed by social values (such as social equity), social issues and cultural diversity.
PO-10.	Able to analyze problems scientifically and find the solutions.

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PSO: A student completing Bachelor's Degree in B. Sc. program in the subject of Physics will be able to:

PSO -1	Demonstrate a rigorous understanding of the core theories and principles related to different study areas in Physics including mechanics, electricity and magnetism, thermal physics and statistical mechanics, waves and optics, Solid state physics, Classical and quantum Mechanics, electronics, Digital electronics , nuclear physics , energy studies and material Science.
PSO-2	Illustrate comprehensive, quantitative and theoretical understanding of the principal areas of physics.
PSO-3	Relate the various principles, rules and acquire skills related to physics, to tackle novel and unusual problems, so as to build up efficient solution or strategy to deal with it.
PSO-4	Discover and figure out quantitative results in the scope of physics.
PSO-5	Make use of modern experimental equipments and analysis tools to gain, inspect and elucidate scientific data in the extents of physics.
PSO-6	Share scientific results efficiently in poster or presentation form in the scope of physics.
PSO-7	Employ acquired physics practical skills, mathematical skills and ICT skills, for seeking job, for progression of a career path and enduring learning in Phvsics.