Programme Outcomes for the Undergraduate (B.Sc.) course in Physics (Multidisciplinary)

1. **Comprehensive Fundamental Knowledge**
   Students will develop a solid understanding of core Physics domains—classical mechanics, electromagnetism, optics, thermodynamics, waves, and modern physics—preparing them for diverse scientific contexts.

2. **Analytical & Problem-Solving Proficiency**
   Students will acquire mathematical and conceptual tools essential for solving quantitative and qualitative problems in Physics, fostering critical and logical reasoning.

3. **Laboratory and Experimental Skills**
   Students will gain practical skills in experimentation, including proper use of instruments, data collection, analysis, and interpreting empirical evidence.

4. **Application of Modern Concepts**
   Awareness and comprehension of modern Physics topics—like quantum mechanics, relativity, and atomic structures—will equip students to connect foundational knowledge with contemporary physics principles.

5. **Communication & Scientific Writing**
   Students will be able to clearly articulate scientific concepts, interpret data, and present findings effectively through reports and presentations.

6. **Ethics, Teamwork & Professionalism**
   Students will practice ethical conduct, safety in laboratories, and collaborative teamwork, foundational for academic and professional environments.

7. **Lifelong Learning & Adaptability**
   Equipped with a scientific mindset, graduates will be motivated for further studies, adapt to evolving technological landscapes, and engage in continuous self-improvement.

8. **Versatile Career Readiness**
   The program prepares students not only for advanced studies (M.Sc., research) but also for roles in education, technical industries, data analysis, and beyond, reflecting the transferable competencies gained from a Physics degree.