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and a set of formulae used for solving problems for quick reference, followed by a number of problems and their solutions. The problems are judiciously selected and are arranged section-wise.

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Chapter 6 deals with the special theory of Relativity. Problems are solved under Lorentz transformation of length, time, velocity, momentum and energy, the invariance of four-momentum vector, transformation of angles and Doppler effect and threshold of particle production. Chapters 7 and 8 are concerned with problems in low energy Nuclear physics.

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The selected problems display a large variety and conform to syllabi which are currently being used in various countries. The book is divided into ten chapters. Each chapter begins with basic concepts containing a set of formulae and explanatory notes for quick reference, followed by a number of problems and their detailed solutions.

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Problems are solved on the topics of normalization and orthogonality of wave functions, the separation of Schrodinger's equation into radial and angular parts, 1-D potential wells and barriers, 3-D potential wells, Simple harmonic oscillator, Hydrogen-atom, spatial and momentum distribution of electron, Angular momentum, Clebsch-Gordan coefficients ladder operators, approximate methods, scattering theory-phase-shift analysis and Ramsauer effect, the Born approximation.

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1000 Solved Problems in Classical Physics An Exercise Book. Authors: Kamal, Ahmad A.

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