

MTH 408 QUANTUM MECHANICS: (3 Units) (L30: PO: T 15)

Particle wave duality. Quantum postulates. Schroedinger equation of motion. Potential steps and wells in 1-dim Heisenberg formulation. Classical limit of Quantum mechanic. Computer brackets. Linear harmonic oscillator. Angular momentum. 3-dim square well potential. The hydrogen atom collision in 3-dim. Approximation methods for stationary problems.