1st January 2024

⊛ Syllabus on we learn.

→ What necessitated a departure from classical physics.
→ Postulates / Axioms of QMech.
→ Schrodinger equation
→ Operators
→ Wave functions
→ eigenvalues
→ commutation relation.
→ Particle in a potential well (Square well, Scattering, tunelling)
→ Simple Harmonic oscillator (SHO)
(raising and lowering operators approach)
→ Probabilities and expectation values.
→ Heisenberg uncertainty principle.
→ Schroedinger equation in 3D
→ Hydrogen atom, angular momentum.

Reference: Griffiths, Sakurai (lol)

⊛ Evaluation – (a) Internal : 30%

Class Test → (20)
(Notice given ahead)
(Best 2/3)

Assignments → Not graded, counted if situation arises.
(every wednesday submission)
Attendance
Class performance
↓
(10) ⊛ ensured if exam performance is good.

(b) Midsem : 20%

(c) Endsem : 50%

0 What is Classical Physics?

The usual answers.