

Sri Bhagawan Mahaveer Jain First Grade College

Geetha Road, Robertsonpet, Kolar Gold Fields.

QUANTUMMECHANICS

On successful completion of course student will:

- Understand the kinematics of scattering process
- Derive partial wave analysis using Born approximation method
- Use time Independent perturbation theory for non degenerate case
- Understand WKB approximation method to study alpha decay
- Understand time dependent perturbation theory
- Understand the interaction of an atom with electromagnetic radiation
- Understand the relativistic quantum mechanics using Klein Gordon equation
- Study the properties of gamma matrices