



DRAVIDIAN UNIVERSITY
Directorate of Distance Education (DDE)
KUPPAM – 517 426:: A.P.
COURSE: II YEAR MSC PHYSICS
PAPER-I : QUANTUM MECHANICS

Answer any THREE of the following FIVE Questions.

3x10=30

1. Explain Dirac's Bra and ket notation and mention its properties.
2. Describe the method of partial waves for scattering.
3. What is second quantization? Discuss the quantization of Schrodinger wave equation.
4. Discuss the significance method of partial waves for scattering.
5. Describe the construction of symmetric and antisymmetric wave functions.