



DRAVIDIAN UNIVERSITY
Directorate of Distance Education (DDE)
KUPPAM – 517 426:: A.P.
Two year PG Examinations DDE
Course: I year Physics
Paper – I Classical and Statistical mechanics
Question Paper for Assignment
2015-16

Answer any **THREE** of the following FIVE Questions.

3x10=30

1. What is principle of virtual work? Explain D'Alembert's?
2. Write Hamilton – Jacobi equations, describe harmonic oscillator problem?
3. Explain Euler's Equations of motion?
4. What are phase spaces? Explain concept of ensembles?
5. Explain a) Dulong and petit's law
b) Einstein and Debye's theories of heat capacities