

M.Sc. DEGREE EXAMINATION, EVEN SEMESTER 2021
I Year II Semester
PHYSICAL CHEMISTRY - II

Max.marks :25

Answer any **FIVE** questions ($5 \times 5 = 25$) Marks

1. Discuss about Fermi Dirac statistics..
2. Explain Onsager reciprocal relation. .
3. With necessary graph explain BET isotherm.
4. Explain Rice Herzfeld mechanism for the decomposition of acetaldehyde.
5. Derive de Broglie equation .
6. Discuss the kinetics of reversible reactions
7. Derive the expression for the wave function and energy of particle in a ring..