

Lesson plan 2024-25  
B.Sc.II (4rth Sem) Physics Paper-I  
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SMSD GOVT COLLEGE NANGAL CHAUDHARY

1st week of January

unit 1st (Statistical Physics-1)

Probability, Permutations, Combination

2nd week of January

Some Probability considerations, Combinations possessing maximum probability

3rd week of January

Combinations possessing minimum Probability, Distribution of molecules in two boxes

4rth week of January

Phase space, microstates and macrostates, Statistical fluctuations

1st week of February

Constraints and accessible States, Thermodynamical Probability

2nd week of February

unit 2nd (Statistical Physics-II): Postulates of Statistical Physics

Division of phase space into cells

3rd week of February

Condition of equilibrium between two systems in thermal contact

b- parameter, entropy and Probability

4rth week of February

Boltzman's distribution law, Evaluation of A and B,

1st week of March

Bose - Einstein Statistics, Application of B.E. Statistics to Planck's Radiation Law,

2nd week of March

Wien's law, Reyleigh Zean's law

3rd week of March

Bose -Einstein Gas.

4rth week of March

Numerical Problems of unit 2nd, unit 3rd (Statistical Physics-III)

1st week of April

Fermi - Dirac Statistics

2nd week of April

M.B. law as a limiting case of B.E. Degeneracy, B.E. condensation,

3rd week of April

Fermi - Dirac gas and Degeneracy, Electron gas in metals

4rth week of April

Zero point energy, Specific heat of metals and its solution