BSc Sem IV Physics Syllabus

Paper 1: Heat Transfer Mechanism

❖ Conduction and Convection
❖ Kinetic Theory of Gases
❖ Thermal Radiation
❖ Low Temperature Physics

Paper 2: Physical Optics

❖ Interference
❖ Diffraction
❖ Polarization
❖ Associated Optical Instruments

Paper 3: Statistical Physics

❖ Basic Concepts
❖ Ensembles and Thermodynamic Connections
❖ Classical Statistics
❖ Quantum Statistics (BES & FDS)

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