

DEPARTMENT OF PHYSICS

SEMESTER-I

MECHANICS

Course code : 101

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of oscillations of a system of particles
- CO2. Write down in details with application, if applicable, strings and rods vibrations
- CO3. Learn the characteristics of small oscillations of mechanical system

SEMESTER-II

THERMODYNAMICS

course code : PHY201

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of GEOMETRICAL OPTICS
- CO2. Write down in details with application, in Interference ,Diffraction and polarization and optical fibers
- CO3. Learn the characteristics of interference ,diffraction and polarization

SEMESTER-III

WAVES AND OSCILLATIONS

course code : PHY301

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of Thermodynamic potentials and parameters
- CO2. Write down in details with application, if low temperature and radiation pyrometers
- CO3. Learn the characteristics of statistical distributions of MB,FD AND BE STATISTICAL system

SEMESTER-IV
OPTICS PHYSICS

course code : PHY401

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of Electrostatics, magnetostatics and electromagnetism
- CO2. Write down in details with application, in Electrostatics, magnetostatics and electromagnetism
- CO3. Learn the characteristics of Electrostatics, magnetostatics and electromagnetism

SEMESTER-V

ELECTROMAGNETISM

course code : PHY501

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of space lattice,XRD SEMICONDUCTORS
- CO2. Write down in details with application, in SUPERCONDUCTIVITY AND LASERS
- CO3. Learn the characteristics of SEMICONDUCTOR PHYSICS

SEMESTER-VI

SOLID STATE PHYSICS

course code : 601

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of Planck's theory of radiation, Photoelectric effect, Compton effect
- CO2. Write down in details with application, in Modern Physics (SWE, LHO)
- CO3. Learn the characteristics of Nuclear physics, radioactive decay and Elementary particles.

SEMESTER-VI

MODERN PHYSICS

Course Outcome:

Students who have completed this course should be able to:

- CO1. Deliberate the characteristics of NETWORK THEOREMS, SEMICONDUCTOR PHYSICS
- CO2. Write down in details with application, in Material sciences
- CO3. Learn the Digital electronics using Gates.

