

DR. ARVIND GARGB.Sc. 1st Semester - II paper - III and IVPH-201 and PH-202 (Computer and Non-Medical)January 2019 to April 2019

Unit-I Moment of inertia will be covered in the month of January i.e. from Rotation of rigid body upto the acceleration of a body rolling down on an inclined plane including numericals and doubts related to unit. Also unit-II Elasticity will be covered in the month of January, 2019 from definition of Elasticity to find elastic constants by Searle's method including numerical problems and doubts.

Unit-III and unit-IV i.e. Kinetic Theory of Gases - I and Kinetic Theory of Gases - II will be covered in the month of February, 2019 from assumption of Kinetic Theory of Gases to Diffusion of Gases including numerical problems and queries related to unit-III and unit-IV. Assignment (1st assignment) will be given in this month.

Unit-I and unit-II of second paper i.e. semiconductors and transistors will be covered in the month of March, 2019 i.e. from Energy bands in solids to the transistor biasing and stabilization including numerical problems and doubts related to unit-I semiconductors and unit-II transistors. A test will be given to the students in the month of March, 2019.

Unit-III Transistor Amplifiers i.e. from Amplifiers

to Distortion in amplifiers including numerical problems and doubts to this unit will cover in the month of April 2019. Unit-IV Oscillators i.e.

from oscillators upto the principle and working of C.R.O. will also be covered in the month of April, 2019 including numerical problems and doubts related to this unit. A second assignment will be given to the students in this month.

DR. ARVIND GARG

B.Sc. IIIrd (Computer and Non-Medical) Sem. VI

January 2019 to April 2019

Paper XI PH-601

Unit - I crystal structure - I will be covered in the month of January 2019 i.e. from crystalline and glassy forms upto the crystal structures of zinc sulphide, sodium chloride and diamond including numerical problems and doubts related to unit.

Unit - II crystal structure - II will be covered in the month of February 2019 i.e. from x-ray diffraction upto the reciprocal lattices to a simple cubic lattice, b.c.c. and f.c.c. including numerical problems and doubts related to unit. 1st assignment will be given in this month.

Unit - III superconductivity will be covered in the month of March 2019 i.e. from historical introduction of superconductivity upto the practical applications of superconductivity including numerical problems and doubts related to the unit. A test will be given to the students in this month.

Unit - IV Introduction to Nano Physics will be covered in the month of April 2019 i.e. from definition of Nano Physics upto the use of nano-technology in various fields with doubts related to unit. A second assignment will be given to the students in this month.