

PHYSICS DEPARTMENT

PLANNING FOR THE MONTH OF APRIL 2020

PHYSICS (042)

S No.	Date (week)	Chapter	Topic
1	March30 to April 04	Electrostatics	1. Frictional Electricity 2.electric Charge 3.Electrostatics 4.Two kinds of electric charges 5. Electronic Theory of Frictional Electricity 6.conductors and insulators
2	April 06 to April 11	Electrostatics	1.Eoectrostatic induction 2.Basic properties of electric charges 3.additivity of electric charge 4.Quantization of electric charge 5.Conservation of charge
3	April 13 to April 18	Electrostatics	1. Electric charge vs. mass 2.Coulomb's law of Electric forces 3. Coulomb's law in vector form 4.Dielectric constant :relative permittivity 5.Comparing electrostatic and Gravitational forces 6.forces between multiple charges : Principle of superposition
4	April 20 to April 25	Electrostatics	1. Electric field 2.Unit and Dimension of electric Field intensity 3.Electric Field intensity due to a point charge 4. Electric Field intensity due to a system of point charges 5.Continuous charge distribution
5	April 27 to April 30	Electrostatics	1.Electric Dipole 2.Electric dipole moment 3. Unit and Dimension of electric dipole moment 4. Ideal dipole 5.dipole field 6.Electric field due to an electric dipole at axial position 7. Electric field due to an electric dipole at Broad side on position 8.Force on an electric dipole in a uniform field 9. Torque on an electric dipole in a uniform field