5 Marks:

Ln-1

1. Electric field due to an electric dipole at points on the axial line – Pg.No.23
2. Electric field due to an electric dipole at a point on the equatorial plane - Pg.No.24
3. Electrostatic potential at a point due to an electric dipole - Pg.No.30
4. Applications of Gauss law - Pg.No.47
5. Vandegraff generator - Pg.No.68
6. Effect of dielectrics in capacitor - Pg.No.59
7. Capacitor in series and parallel - Pg.No.62

Ln-2

1. Wheatstone's bridge - Pg.No.109
2. Meter bridge - Pg.No.111
3. Comparison of emf of two cells with a potentiometer - Pg.No.113
4. Resistors in series and parallel - Pg.No.92
5. Cells in series and parallel = Pg.No.104
6. Measurement of internal resistance of a cell by Potentiometer – Pg.No.114

Ln-3

1. Magnetic field at a point along the axial line of the magnetic dipole – Pg.No.140
2. Magnetic field at a point along the equatorial line due to a magnetic dipole - Pg.No.141
3. Tangent Galvanometer - Pg.No.146
4. Classification of Magnetic materials - Pg.No.152
5. Magnetic field due to a long straight conductor carrying current – Pg.No.164
6. Magnetic field produced along the axis of the current carrying circular coil - Pg.No.166
7. Magnetic dipole moment of revolving electron - Pg.No.168
8. Cyclotron - Pg.No.181
9. Force on a current carrying conductor placed in a magnetic field – Pg.No.183
10. Force between two long parallel current carrying conductors – Pg.No.185

Ln-4

1. Methods of producing induced emf - Pg.No.233
2. Single phase AC generator - Pg.No.240
3. Three phase AC generator - Pg.No.242
4. Transformer - Pg.No.243
5. AC – Circuit containing a resistor, an inductor and a capacitor in series – Series RLC circuit - Pg.No.260

Ln-5

1. Types of spectra – Pg.No.295
2. Properties of Electromagnetic waves – Pg.No.289
3. Types of Electromagnetic waves – Pg.No.292

Properties:

1. Basic properties of charges - Pg.No.3
2. Properties of Electric field lines - Pg.No.18
3. Properties of Equipotential surface - Pg.No.33
4. Basic properties of Magnets - Pg.No.132
5. Magnetic properties - Pg.No.149
6. Properties of dia, para and ferro magnetism - Pg.No.152
7. Properties of Electromagnetic waves - Pg.No.289

Applications:

1. Applications of capacitors – Pg.No.58
2. Applications of Seebeck effect - Pg.No.117
3. Applications of Joule's law of heating - Pg.No.115
4. Applications of Eddy current - Pg.No.223

Laws:

1. Coulomb's Law 2. Joule's Law 3. Biot-Savrat law
4. Gauss Law 5. Tangent Law 6. Ampere's Law
7. Maxwell's Equation