

- 2.9 Type of solids
- 2.10 Elementary discussion of the electrical conductivity of metal
- 2.11 Dia, para and ferromagnetism
- 2.12 Types of binding
- 2.13 Ionic binding
- 2.14 Covalent binding
- 2.15 Metallic binding
- 2.16 Polar molecules
- 2.17 X ray diffraction
- 2.18 Bragg's X ray spectrometer and its uses
- 2.19 Application of X ray in material testing
- 2.20 Electro diffraction
- 2.21 Wave particle duality
- 2.22 Uncertainty principles
- 2.23 Schrodinger equation
3. Relativity :
- 3.1 Michelson Morely experiment and its result
- 3.2 Frame of reference
- 3.3 Einstein theory of relativity
- 3.4 Relativistic velocity transformation
- 3.5 Relativistic mass
- 3.6 Mass energy relation

Lists of Experiments :

1. To measure the frequency of A.C. mains.
2. To determine a high resistance.
3. To determine a low resistance.
4. To determine the capacitance of a condenser.