

# **CBSE Class 12 Physics Syllabus (Removed)**

## **2020-21**

### **Chapter 1 : Electrostatic Charges and Fields**

Pg 39,40,41 (*Uniformly Charged thin Spherical Shell*)

### **Chapter 2 : Electrostatic Potential and Capacitance**

*Nothing removed*

### **Chapter 3 : Current Electricity**

Pg 107,108,109 (*Series and parallel combination of resistors*)  
*Carbon resistor, colour code for carbon resistors*

### **Chapter 4 : Moving Charges and Magnetism**

Pg 140,141,142 (*Cyclotron*)

### **Chapter 5 : Magnetism and Matter**

Pg 176,177,178,179, Ex5.4 (*Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field*)

Page 191(5.6),192,193,194 (*Para, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets*)

### **Chapter 7 : Alternating Current**

Page 252 (*power factor*)  
*Wattless current*

### **Chapter 8 : Electromagnetic Waves**

Page 270(8.2),271,272,273 (*Displacement Current*)

### **Chapter 9 : Ray Optics and Optical Instrument**

Page 310(9.2),311,312,313,314,315,316 (*Reflection of light, spherical mirrors, (recapitulation) mirror formula*)

Page 335(9.8.2) (*Scattering of Light*)

### **Chapter 10 : Wave Optics**

Page 372 to 382 (*resolving power of microscope and astronomical telescope, polarisation, plane polarised, Brewster's Law, uses of plane polarised light and polaroids*)

### **Chapter 11 : Dual Nature of Radiation and Matter**

Page 403,404 (*Davisson and Germer experiment*)

### **Chapter 13 : Nuclei**

Page 446 to 451(13.6.4) (*Radioactivity, alpha, beta and gamma particles/rays and their properties; radioactive decay, half life and mean life*)

Page 442(13.4.2) to 445 (excluding 13.5) (*binding energy per nucleon and its variation with mass number*)

#### **Chapter 14 : Semiconductors Electronics : Materials, Devices and Simple Circuits**

Page 485,486 (Zener Diode and their characteristics, zener diode as a voltage regulator)

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Practicals : No investigatory project and Activity to be demonstrated  
8 experiments (clubbed based on skills) in place of 12

Apni Kaksha