

# **RAMANUJAN SCHOOL OF MATHEMATICS & PHYSICS**

## ***CBSE Class 12 Physics Course Completion Plan (8 month) 10<sup>th</sup> March to 10<sup>th</sup> Dec 2026.***

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### **PHASE 1 (Day 1–24) — Electrostatics + Current Electricity**

#### ***March 10<sup>th</sup> to April 10th***

Day 1–2: Electric Charges & Properties

Day 3–5: Coulomb’s Law + Vector Form

Day 6–7: Electric Field & Field Lines

Day 8–9: Electric Flux & Gauss Law

Day 10–12: Applications of Gauss Law

#### ***April 10<sup>th</sup> to May 10th***

Day 13–14: Electric Potential & Potential Difference

Day 15–16: Capacitance & Parallel Plate Capacitor

Day 17–18: Combination of Capacitors + Energy Stored

Day 19–20: Drift Velocity + Ohm’s Law

Day 21–22: Resistance & Resistivity

Day 23–24: Kirchhoff’s Laws + Wheatstone Bridge

### **PHASE 2 (Day 25–48) — Magnetism + EMI + AC**

#### ***May 10<sup>th</sup> to June 10th***

Day 25–26: Magnetic Force

Day 27–28: Biot-Savart Law

Day 29–30: Ampere’s Law

Day 31–32: Motion in Magnetic Field

Day 33–34: Bar Magnet & Earth Magnetism

Day 35–36: Magnetic Properties of Materials

***June 10<sup>th</sup> to July 10<sup>th</sup>***

Day 37–38: Faraday's Law

Day 39–40: Lenz's Law + Eddy Currents

Day 41–43: AC Basics + RMS Values

Day 44–46: Reactance & Impedance

Day 47–48: Transformers

**PHASE 3 (Day 49–72) — Optics**

***July 10 to August 10<sup>th</sup>***

Day 49–50: Reflection of Light

Day 51–53: Refraction & Snell's Law

Day 54–56: Lenses & Lens Formula

Day 57–58: Optical Instruments

Day 59–60: Total Internal Reflection

***August 10<sup>th</sup> to September 10<sup>th</sup>***

Day 61–64: Huygens Principle

Day 65–68: Interference

Day 69–72: Diffraction + Polarisation

**PHASE 4 (Day 73–96) — Modern Physics + Electronics**

***September 10<sup>th</sup> to October 10<sup>th</sup>***

Day 73–74: Photoelectric Effect

Day 75–76: Matter Waves

Day 77–79: Bohr Model

Day 80–82: Nuclear Physics

Day 83–84: Nuclear Energy

***October 10<sup>th</sup> to November 10<sup>th</sup>***

Day 85–87: Semiconductors Diodes

Day 88–90: Diodes

Day 91–92: Rectifier

Day 93–94: Applications

Day 95–96: Numericals

***November 10<sup>th</sup> to December 10<sup>th</sup>***

***Revision***

***NOTE:***

***Those who are starting from April batch syllabus will complete till 10<sup>th</sup> December and Revision from 10<sup>th</sup> Dec to 10<sup>th</sup> January 2027.***