

DELHI PUBLIC SCHOOL JAMMU
SYLLABUS BIFURCATION
SESSION- (2025-26)

CLASS-XII

SUB: Physics (042)

Objectives of the Theory:

1. Strengthen the concepts developed at the secondary stage to provide firm foundation for further learning in the subject.
2. Expose the learners to different processes used in Physics-related industrial and technological applications.
3. Promote problem solving abilities and creative thinking in learners

S.NO.	MONTH	NAME OF THE CHAPTERS
1	APRIL	Ch-1 Electric Field and Charges Ch-2 Electric Potential & Capacitance ❖ Foundation worksheet to strengthen the concepts learnt in class X and XI ❖ Experiential activity To make a simple electroscope and use it to detect charges on bodies. ❖ Assignment no. 1 on chapters 1
2	MAY	Ch-3 Current Electricity ❖ Assignment no. 2 on chapters 2 and 3 and sample paper to give good practice to students before FA I
3	JUNE	Ch-4&5 Moving Charges and Magnetism ❖ Discussion and allotment of projects given by CBSE
4	JULY	Ch-6 Electromagnetic Induction Ch-7 Alternating Current ❖ Checking and assessment of projects given in the month of June ❖ Assignment no. 3 on chapters 4 ,5 and 6
5	AUGUST	Ch-8 E.M. Waves Ch-9 Ray Optics and Instruments ❖ Assignment no. 4 on chapters 7 and 8 to strengthen the concepts already taught in class
6	SEPTEMBER	Ch-10 Wave Optics Ch-11 Dual Nature of Matter and Radiations Sample paper to give good practice to students before Half yearly exams
7	OCTOBER	Ch-14 Semiconductor Devices Assignment no. 5 on chapters 9 and 10
8	NOVEMBER	Class test based on MCQs and A/R PREBOARD I ❖ Sample paper to give good practice to students before Pre board I exams

9	DECEMBER	Ch 12 & Ch 13 – Atoms & Nuclei
		PREBOARD II ❖ Practice/revision of Experiments and activities will be given to students before final practical exams
10	JANUARY	PREBOARD III
11	FEBRUARY	Revision of the syllabus + Practical Examinations
12	MARCH	Board exams

EXAM SCHEDULE

• Syllabus of Cycle Test I

Ch-1 Electric Field and Charges

Ch-2 Electric Potential & Capacitance

Ch-3 Current Electricity

Syllabus of Half-Yearly Examinations

Ch-1 Electric Field and Charges

Ch-2 Electric Potential & Capacitance

Ch-3 Current Electricity

Ch-4 Moving Charges and Magnetism

Ch-5 Magnetism and Matter

Ch-6 Electromagnetic Induction

Ch-7 Alternating Current

Syllabus of Pre-Board I

Ch-1 Electric Field and Charges

Ch-2 Electric Potential & Capacitance

Ch-3 Current Electricity

Ch-4 Moving Charges and Magnetism

Ch-5 Magnetism and Matter

Ch-6 Electromagnetic Induction

Ch-7 Alternating Current

Ch-8 E M Waves

Ch-9 Ray Optics and Instruments

CH-10 Wave Optics

Ch-11 Dual Nature of Matter and Radiation

Ch-14 Electronic Devices

Syllabus of Pre-Board II and PB III

Complete syllabus

Subject Coordinator