

**AIR FORCE SCHOOL, BAMRAULI  
ANNUAL SPLIT-UP OF SYLLABUS  
ACADEMIC SESSION 2024-25**

**CLASS-X**

**SUBJECT : SCIENCE [PHYSICS]**

**BOOK NAME- NCERT**

MONTH	CHAPTER NO. & NAME	TOPICS/ SUB TOPIC	NO. OF PERIODS	ACTIVITY	TEST/EXAM
APRIL	9-Light- Reflection & Refraction	Reflection, dispersion & refraction of light, images formed by lens & mirrors and Power of lens	10	Determination of the focal length of concave mirror & convex lens by obtaining the image of a distant object	CLASS TEST FROM 22 APRIL TO 5 MAY SYLLABUS : CH 9
MAY	9-Light- Reflection & Refraction	Reflection, dispersion & refraction of light, images formed by lens & mirrors and Power of lens	6	Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence.	
JUNE	10-Human Eye & Colourful World	Human eye & its defects and dispersion & atmospheric refraction of light	4	Tracing the path of the rays of light through a glass prism	
	10-Human Eye & Colourful World	Human eye & its defects and dispersion & atmospheric refraction of light	4		
JULY	11-Electricity	Ohm's & Joules' law, Resistance & resistivity and electric power	8	studying the dependence of potential difference across a resistor on the current passing through it and determine its resistance.	PT 1 FROM 1 TO 8 JULY SYLLABUS: CH 9 & 10

AUGUST	11-Electricity	Ohm's & Joules' law, Resistance & resistivity and electric power	6	Determination of the equivalent resistance of 2 resistors when connected in series & parallel	
	12-Magnetic Effects of Electric Current	Magnetic field lines & their properties, Fleming's left rule and AC & DC	6		
SEPTEMBER	12-Magnetic Effects of Electric Current	Magnetic field lines & their properties, Fleming's left rule and AC & DC	8	Draw magnetic field with the help of compass needle, bar magnet and iron filings	HALF YEARLY FROM 17 TO 30 SEPT. SYLLABUS : CH 9, 10, 11 (Ohm's law and its applications) & 12
OCTOBER	COMPLETE SYLLABUS REVISION		6		
NOVEMBER	SAMPLE PAPER REVISION		6	PRACTICE	4 TO 16 NOV. PRE BOARD 1 COMPLETE SYLLABUS
DECEMBER			10		
JANUARY			9		
FEBRUARY			7		