

O.P. JINDAL SCHOOL, SAVITRI NAGAR
Annual Syllabus 2023-2024

S.N.	MONTH	I. D.	NO. OF PERIODS	CHAPTERS	ENRICHMENT ACTIVITY	VALUES IMPARTED	EXTRA CONTENT	
1	APR	21	16 10	1: Electric Charges and Fields 2: Electrostatic Potential and Capacitance	Introduction. Demonstration, result and discussion conclusion Activity- show the electrostatic effect due to plastic and wool cloth.	Student will be able to learn to perform activity, based on topics. Student learnt about, charges and its properties.	Competition based MCQs.	
2	JUN	11	15	3: Current Electricity	Introduction. Demonstration, result and discussion, conclusion . Activity: - to measure resistance voltage current and check continuity of a given circuit using multimeter.	Students will learn the concept by performing the experiment based on. ohm's law, meter bridge, and potentiometer.	Some complicated circuits on Kirchhoff's law.	
3	JUL	24	15 10 8	4: Moving Charges and Magnetism 5: Magnetism and Matter 6: Electromagnetic Induction	Activity- function of electromagnet.	Students will be able to learn the concept about magnetic field by performing activity related to the topics.	JEE/NEET based short cuts and MCQs.	
4	AUG	25	12 4 15	7: Alternating Current 8: Electromagnetic Waves 9: Ray Optics and Optical Instruments	Activity- To assemble a household circuit comprising three bulbs, three switches, a fuse and a power source.	Students will be able to learn the application related concept based on E.M.W. Also learn uses of AC. Students will be able to calculate the focal length and refractive index of lenses		
5	SEP	25	HALF YEARLY EXAM					

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6	OCT	20	15 8 7	10: Wave Optics 11: Dual Nature of Radiation and Matter 12: Atom	Activity- To obtain the lens combination with the specified focal length by using two lenses from the given set of lenses.	Student will be able to learn the concept-based experiment. Slit Experiment.	
7	NOV	16	7 10	13: Nuclei 14: Semiconductor Electronics Devices and Simple Circuits	Activity- To identify a diode, an LED, a transistor, a resistor and a capacitor from a mixed collection of such items.	Student will be able to learn to perform activity, based on topics. Students will be able to perform the experiment- based activity on P-N junction diode.	
8	DEC	22		Revision & Pre-Board-01			
9	JAN	23		Revision & Pre- Board 2			
10	FEB	24	REVISION & BOARD EXAM				
11	MARCH	13	BOARD EXAM				

SYLLABUS FOR EXAMINATION

SN	EXAMINATION	MONTH	MAX.MARKS	MAX.TIME	SYLLABUS FOR EXAMINATION
1	TEST-1	JULY	20	1 Hr	1,2
2	HALFYEARLY	September	70	3Hrs	1,2,3,4,5,6,7
3	Pre-Boards	January	70	3Hrs	Full Portion
4	Board Exam	Feb-March	70	3Hrs	Full Portion