

SYLLABUS UPDATES FOR NEET(UG) 2024 PHYSICS-Class-XI

Sr. No.	Chapter Name	Added Portion	Deleted Portion
1	Physical World	-	Scope and excitement; nature of physical laws. Physics, technology and society
2	Units & Measurements	Errors in measurement Least Count Significant figures	Length, mass, and time measurements, Accuracy and precision of measuring instruments.
3	Motion in a Straight Line	Relative Velocity	Elementary concepts of differentiation and integration for describing motion Position and displacement vectors, general vectors, general vectors and notation, equality of vectors.
4	Motion in a Plane	-	-
5	Laws of Motion	-	Lubrication
6	Work, Energy and Power	Conservation of mechanical Energy	-
7	System of Particles and Rotational Motion	Parallel and Perpendicular axis theorem	Rolling Motion
8	Gravitation	Motion of a satellite, time period and energy of a satellite	Geostationary satellites.
9	Mechanical Properties of Solids	-	
10	Mechanical Properties of Fluids	Pressure due to fluid column, Pascals law and its application. Effect of gravity on fluid pressure	Reynold's number,
11	Thermal Properties of Matter	-	Anomalous Expansion, Thermal conductivity, Green House effect.
12	Thermodynamics	-	Heat engines and refrigerators.
13	Kinetic Theory	RMS speed of gas molecules, Avogadro's number	-
14	Oscillations	-	free, forced and damped oscillations (qualitative ideas only), resonance.
15	Waves	-	Doppler effect.

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1	Electric Charges and Fields	-	-
2	Electrostatics Potential and Capacitance	-	Van de Graaff generator.
3	Current Electricity	-	Carbon resistors, color code for carbon resistors, Potentiometer-principle and applications to measure potential difference, and for comparing emf of two cells; measurement of internal resistance of a cell.
4	Moving Charges Magnetism	-	Oersted's experiment, toroidal, Cyclotron.
5	Magnetism and Matter	-	Earth's magnetic field and magnetic elements.
6	Electromagnetic Induction	-	-
7	Alternating Current	-	LC oscillations (qualitative treatment only)
8	Electromagnetic Waves	-	-
9	Ray Optics and Optical Instruments	-	Scattering of light- blue colour of the sky and reddish appearance of the sun at sunrise and sunset, Human eye, image formation and accommodation, correction of eye defects (myopia and hypermetropia) using lenses.)
10	Wave Optics		
11	Dual Nature of Radiation and Matter	-	Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained).
12	Atoms		-
13	Nuclei	-	Isotopes, isobars; isotones, Radioactivity- alpha, beta and gamma particles/ rays and their properties decay law
14	Semiconductor Electronics	Logic Gates	Energy bands in solids (qualitative ideas only), conductors, insulators, Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator, Transistor as a switch.