

## LIST OF VIDEO LESSONS AND POWER POINT PRESENTATIONS -DEPARTMENT WISE- PHYSICS

PHYSICS	Gauss law in Electrostatics	<a href="https://youtu.be/JW_KdTTd3cQ">https://youtu.be/JW_KdTTd3cQ</a>
	Electric field due to an infinity long charged wire	<a href="https://youtu.be/T0240TjO-p8">https://youtu.be/T0240TjO-p8</a>
	Electric field due to charged infinite planar sheet	<a href="https://youtu.be/TKFfb85i2Ug">https://youtu.be/TKFfb85i2Ug</a>
	Electric field due to a uniformly charged spherical shell	<a href="https://youtu.be/96F5TRBO6D8">https://youtu.be/96F5TRBO6D8</a>
	Electric field lines - Electric field intensity - Electric flux	<a href="https://youtu.be/fypO3idJoMU">https://youtu.be/fypO3idJoMU</a>
	Conservative nature and Irrotational field of 'E' and Electric potential	<a href="https://youtu.be/qr6TkqvS4Sl">https://youtu.be/qr6TkqvS4Sl</a>
	Electric potential - Equation- Relation b/w 'V' and 'E'	<a href="https://youtu.be/NtkWapurzq4">https://youtu.be/NtkWapurzq4</a>
	Potential energy of a system of charges & Calculation of 'V' from 'E'	<a href="https://youtu.be/03iCJvr1msk">https://youtu.be/03iCJvr1msk</a>
	Energy density in an Electric field	<a href="https://youtu.be/_3Xj-GS1L2c">https://youtu.be/_3Xj-GS1L2c</a>
	Magnetic field induction - Magnetic flux - Biot - Savart law	<a href="https://youtu.be/yTTmSB4vOtM">https://youtu.be/yTTmSB4vOtM</a>
	Magnetic field 'B' due to a long straight current carrying conductor	<a href="https://youtu.be/-iJ1b25mjQo">https://youtu.be/-iJ1b25mjQo</a>
	Properties of Magnetic field 'B' - Integral form of Amphete's law	<a href="https://youtu.be/AvPeBIQNggQ">https://youtu.be/AvPeBIQNggQ</a>
	Magnetic field on the axis of a circular loop	<a href="https://youtu.be/k6LuZZ2YHhI">https://youtu.be/k6LuZZ2YHhI</a>
	Magnetic field due to a long solenoid	<a href="https://youtu.be/m9wiXDHxB9o">https://youtu.be/m9wiXDHxB9o</a>
	Energy density in magnetic field & Force on a current carrying conductor	<a href="https://youtu.be/CFCH6z_uXKc">https://youtu.be/CFCH6z_uXKc</a>
	Force on a point charge in magnetic field & Force b/w two parallel conductors	<a href="https://youtu.be/-_jm_EIjKNI">https://youtu.be/-_jm_EIjKNI</a>
Faraday's laws of electromagnetic induction & Equation of continuity	<a href="https://youtu.be/lxsSgjqHxJ4">https://youtu.be/lxsSgjqHxJ4</a>	

Basic laws of electricity and magnetism & Displacement current	<a href="https://youtu.be/r_Bzxq7g3Kw">https://youtu.be/r_Bzxq7g3Kw</a>
Modified Ampere's law & Displacement current	<a href="https://youtu.be/bEMzOWhtEGM">https://youtu.be/bEMzOWhtEGM</a>
LENZ's law and Self induction	<a href="https://youtu.be/s_d2ebPL-dc">https://youtu.be/s_d2ebPL-dc</a>
Self inductance of a long solenoid - Mutual induction & Distinction b/w self and mutual inductions	<a href="https://youtu.be/BOYLsKWYEOw">https://youtu.be/BOYLsKWYEOw</a>
Maxwell's equations in integral and differential forms	<a href="https://youtu.be/8KuuyJ9Yh_A">https://youtu.be/8KuuyJ9Yh_A</a>
Maxwell's electromagnetic equation - Velocity of electromagnetic waves	<a href="https://youtu.be/hAhuCJqFTpU">https://youtu.be/hAhuCJqFTpU</a>
Maxwell's equations in dielectric medium and free space	<a href="https://youtu.be/dGyBrCOM3pl">https://youtu.be/dGyBrCOM3pl</a>
Transverse wave nature of electromagnetic waves	<a href="https://youtu.be/QQum5e6N4Ts">https://youtu.be/QQum5e6N4Ts</a>
Boundary conditions - Reflection & Transmission coefficients of 'E' & 'H' for uniform plane EM waves	<a href="https://youtu.be/iWNVLudMKI8">https://youtu.be/iWNVLudMKI8</a>
Vector differentiation - The divergence of a vector field	<a href="https://youtu.be/yyMpol0wJBo">https://youtu.be/yyMpol0wJBo</a>
The curl of a vector field - Physical significance	<a href="https://youtu.be/-NhcPnMWdXc">https://youtu.be/-NhcPnMWdXc</a>
Equation of curl in cartesian coordinates - Two problems	<a href="https://youtu.be/8-woQUdUIbU">https://youtu.be/8-woQUdUIbU</a>
Line, surface and volume integrals - Gauss divergence theorem	<a href="https://youtu.be/x0JS4D_wTOw">https://youtu.be/x0JS4D_wTOw</a>