



# NDA PHYSICS

TOPIC WISE DIVISION



CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
<b>MECHANICS</b>												
Unit Measurement & Dimension	2	2	-	1	2	2	1	-	1	-	1	2
Motion of Objects	-	-	2	1	2	1	3	1	1	3	2	3
Basic Knowledge of Vector & Projectile	-	2	1	-	-	-	-	1	-	1	-	1
Circular Motion, Rotational Motion and Lever	1	-	-	-	-	1	-	-	-	1	-	2
Laws of Motion	1	2	2	-	1	1	3	2	-	2	1	-
Work, Energy & Power	1	1	1	-	1	2	2	1	1	-	-	2
Gravitation	-	-	1	1	1	-	2	2	4	1	1	-

CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
<b>HYDROSTATICS AND HYDRODYNAMICS</b>												
Pressure and Archimedes		1	3	-	-	1	-	-	1	-	1	1
Bernoulli's Theorem & Application , Viscosity		-	-	-	-		1	-		1	1	-
<b>PROPERTIES OF MATTER</b>												
Calorimetry and Thermometry	1	2	3	1	-	-	-	-	5	1	2	2
Transfer of Heat And thermal Expansion	-	2	1	1	-	1	3	-	1	3	1	1
Surface Tension & Elasticity	-	-	-	-	-	-	2	-	1	-	-	-

CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
<b>KINETIC THEORY OF GASES &amp; THERMODYNAMICS</b>												
Kinetic Theory	-	-	-	1	2	-	-	1	-	-	1	-
Thermodynamics	-	1	-	-	2	1	-	-	-	-	-	1
<b>SOUND AS MECHANICAL WAVE AND ITS SPEED</b>												
Simple harmonic motion & its application		1	2		1			3	1	1	2	
Wave and its speed	1	2	1	3		2		3			1	

CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
Beats and vibration of organ pipe												
Doppler's Effect	-	-	-	-	-	-	-	-	-	-	-	-
Coulomb's law and electric field & Potential	1	-	-	1	-	-	-	-	1	1	-	1
Capacitance van - de graph generator	-	-	-	-	-	-	-	-	-	-	1	-
Gauss's theorem And application simple circuit and OHM'S Law		-	-	-	-	-	-	-	-	-	-	-

CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
Cell OHM'S law, resistivity and conductivity	1	3	1	2	-	1	3	2	2	2	1	-
Household electricity	1	1	1	1	-	-	1	3	-	-	2	1
<b>MAGNETIC EFFECT OF CURRENT, MAGNETISM EMI AND AC</b>												
Magnetic effect of current magnetism	1	-	2	2	-	1	-	-	1	2	-	3
Electromagnetic induction and alternating current	-	-	-	-	2	3	-		-	-	1	

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	I	II	I	II	I	II	I	II	I	II	I	II
<b>RAY OPTICS &amp; WAVE OPTICS</b>												
Reflection and refraction of light	1	1	1	3	4	1	3	2	5	1	2	1
Prism Lens and optical instrument	3	1	2	2	2	3	-	1	1	1	2	2
Electromagnetic waves and their properties	2	1	1	2	2	-	-	1	-	2	-	2
communication	-	-	-	-	1	-	-	-	-	-	-	-

CHAPTERS	2019		2018		2017		2016		2015		2014	
	I	II	I	II	I	II	I	II	I	II	I	II
<b>MODERN PHYSICS</b>												
Atom, Nucleus and Radioactivity	3	1	1	-	2	1	1	-	-	2	1	-
Semi-Conductor device				1	1				1	1		1





**THANK  
YOU**