

SYLLABUS BREAK-UP (2017-2018) sub.....Physics..... Gr.....9.....

Month	Week	Chapter/ Portion	On-going Evaluation (CT,Msem, Sem)				
			Class Test	Mid Sem	Sem	Note Book Inspection	Subject Enrichment
April	2	1. Forces of Fluids - Eperiments related to Byoyancy					
	3	Law of rotation, Relative Density					
	4	Pratical aspects of Pascal Law					
May	1	Differentiate cohensive Forceand Adhesive Force					
	2	Capillary rice and capillary depression					
	3	Viscosity					
	4	2 .Motion and laws of Motion- Position time and velocity time Graphs					
June	5	Uniform Accelaration ,3 eqns of MotiosBalanced and Unbalanced foces					
	1	Internal and external forcesinertia of rest and inertia of motion					
	2	Newton's First Law, Newtons Second LawNewtons third Law, Circullar motion and Non Circlar Motion					
	3 & 4	FIRST TERM EXAMINATION		5	40		5
Sept	2	3. Gravitation- Unniversal Law of gravitation ,Explain free Fall,Accelaration Due to Gravity					
	3	Accelaration dur to Gravity is differnet at Equator and polesMass and Weight ,The center of Gravity of Lamina of different shapes					
	4	Center of Gravity and Stability					
Oct	1	4.Work energy and Power -Different types of Work , Calculate the work Done,Different forms of Energy ,					
	2	Different forms of Energy , Accelaration Due to Gravity					
	3	Potential Energy due to Strain					
	4	5. Refraction of Light - Explain Refraction,Angle of Incidence and angle of refraction					
	5	Optical density influences Refraction, Images formed by lens,Characteristics, Cartesian Sign Conventions ,					
Nov	1	Magnification produced by lensDefects of Eyes , Ways to rectify					
	2	6. Current Electricity- Flow of Current, Potential Difference					
	3 & 4	Revision					
		SECOND TERM EXAMINATION		5	40		5
Dec	1	Current , EMF and measure devoces, Ressitance and ressitivity Factors effecting the resistence of a conductor , OMS Law					
	2	Calculate the effective resistence , potential Dfference , Current , Resistence					
Jan	2	7. Magnectic effect and current -Magnectic lines of Force, Current carrying conductors,,					
	3	Lines of force around a conductor					
	4	Direction of magnetic Field, Polarity of a solenoid carrying current					
	5	Working principle of a motor,Working of a loud speaker					
Feb	1	8. Our universe, Asterism , Groups of Stars through observation ,Formation of Malayalam months					
	2	Energy Produced in the Sun and stars ,Achievements of Space					
	3& 4	Revision					
March		ANNUAL EXAMINATION		5	40		5