SPLIT OF SYLLABUS (2020-2021)
SUB-PHYSICS, CLASS- XI

.MONTH	CHAPTER	TENTATIVE PERIOD REQUIRED	PRACTICALS
JUNE	1.Physical World & Measurement	10	1. To measure diameter of a small spherical/ cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
JULY	Contd…Measurement 2.Kinematics (Motion in straight line & Plane)	24	2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine volume of an irregular lamina using screw gauge. 4.To determine radius of curvature of a given spherical surface by a Spherometer
AUG	3.Laws of Motion 4.Work, power &energy	26	5.To find the weight of a given body using parallelogram law of vectors 6.To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.
SEPT	Work, Energy & Power Contd… 5.Motion of System of particles & Rigid Body	18	7.To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and sin θ

OCT	6.Gravitation 7.Properties of Bulk Matter(SOLID)	12 8	8.To determine the mass of two different objects using a beam balance 9.Using a simple pendulum, plot its L-T^2 graph and use it to find the effective length of second's pendulum 10.To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.
NOV	Contd...Properties of Bulk Matter(FLUID) Revision …… (Half Yearly Syllabus)	8	11.To find the force constant of a helical spring by plotting a graph between load and extension
DEC	Contd...Properties of Bulk Matter(THERMAL PROPERTIES) 8.Thermodynamics	8 12	12.To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body 13. To determine the surface tension of water by capillary rise method. 14. To determine specific heat capacity of a given solid by method of mixtures
JAN	9.Behaviour of Perfect Gas & Kinetic Theory of Gases 10.Oscillations & Waves	12	
FEB	Waves Revision…… PRACTICAL EXAM	26	