

DAV Nageshwar public school, Chandaghasi, Tetri, Ranchi

Unit test & team- Syllabus, Session 2021-22

Class XI

Subject – Physics

Subject teacher – Kumari Jyoti

Exam Name	Syllabus
Unit test-1 Unit I,II & III	Chapter 1 - Physical world Chapter 2 - Units & measurements Chapter 3 – Motion in a straight line Chapter 4 - Motion in a plane Chapter 5 – Laws of motion
Unit test – 2 Unit IV, V &VI	Chapter 6 - Work, Energy & Power Chapter 7 – System of particles & rotational motion Chapter 8 - Gravitation
UT 1 + UT 2= Term 1	Experiments –To be discussed by subject teacher (2 from each section) 1. To measure diameter of small spherical/ cylindrical body and to measure internal diameter and depth of a given beaker using vernier callipers 2. To measure diameter of a given wire & thickness of a given sheet using screw gauge 3. To Determine radius of curvature of a given spherical surface by spherometer 4. To find weight of given body using parallelogram law of vectors. Number of Activities – 3 to be discussed by Subject teacher
Unit test -3 Unit VII &VIII	Chapter 9 - Mechanical Properties of solids Chapter 10 - Mechanical Properties of fluids Chapter 11 - Thermal Properties of matter Chapter 12 – Thermodynamics
Unit test -4 Unit XI & X	Chapter 13 – Kinetic theory Chapter 14 –Oscillations Chapter 15 – Waves
Unit -3 + Unit 4= Term 2	Experiments- To be discussed by subject teacher (2 from each section) 1. To determine young's modulus of elasticity of the material of given wire 2. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P&V and between P & 1/v 3. To determine surface tension of water by capillary rise method 4. To study the relation between temperature of a hot body and time by plotting a cooling curve Number of Activities – 3 to be discuss by Subject teacher