

GYANJYOTI PUBLIC SCHOOL

Affiliated to CBSE, NEW DELHI (10+2)

SYLLABUS FOR STD XI (SCIENCE), 2024-25

PHYSICS

PERIODIC TEST I:

- Chapter 1. Units & Measurements
- Chapter 2. Motion in a straight line.
- Chapter 3. Motion in a plane
- Chapter 4. Laws of motion.

HALF-YEARLY:

- Chapter 5. Work, Energy & Power
 - Chapter 6. System of Particles & Rotational Motion
 - Chapter 7. Gravitation
- (Chapters of Pre midterm will also be included)

PRACTICAL:

1. To find the diameter, dimension, depth and density of given bodies by using Vernier Callipers.
2. To measure the diameter, thickness and volume of given bodies using screw gauge.

PERIODIC TEST II:

- Chapter 8. Mechanical properties of Solid
- Chapter 9. Mechanical properties of Fluid
- Chapter 10. Thermal properties of Matter

YEARLY:

- Chapter 11. Thermodynamics
 - Chapter 12. Kinetic Theory
 - Chapter 13. Oscillations
 - Chapter 14. Waves
- (Chapters of Pre Mid , Post Mid & Half-Yearly will also be included)

PRACTICAL:

1. To measure radius of curvature of a given spherical surface using spherometer.
2. Using a Simple Pendulum plot its $L-T^2$ Graph & use it to find the effective length of Second's Pendulum.
3. To find the force constant of a helical spring by plotting a graph between load & extension.