



OLYMPIAD APTITUDE TEST

Syllabus- Physics (Grade XI)

1. Physical World and Measurement

- Physical World
- Units and Measurements

2. Kinematics

- Motion in a Straight Line
- Motion in a Plane

3. Laws of Motion

- Laws of Motion

4. Work, Energy and Power

- Work, Energy and Power

5. Motion of System of Particles

- System of Particles and Rotational Motion

6. Gravitation

- Gravitation

7. Properties of Bulk Matter

- Mechanical Properties of Solids
- Mechanical Properties of Fluids
- Thermal Properties of Matter

8. Thermodynamics

- Thermodynamics

9. Kinetic Theory of Gases

- Kinetic Theory

10. Oscillation & Waves



An Eye on Talent

OLYMPIAD APTITUDE TEST

Syllabus- Physics (Grade XII)

1. Electrostatics

- Electric Charges and Fields
- Electrostatic Potential and Capacitance

2. Current Electricity

- Current Electricity

3. Magnetic Effect of Current & Magnetism

- Moving Charges and Magnetism
- Magnetism and Matter

4. Electromagnetic Induction & Alternating Current

- Electromagnetic Induction
- Alternating Current

5. Electromagnetic Waves

- Electromagnetic Waves

6. Optics

- Ray Optics and Optical Instruments
- Wave Optics

7. Dual Nature of Matter

- Dual Nature of Radiation and Matter

8. Atoms & Nuclei

- Atoms
- Nuclei

9. Electronic Devices

- Semiconductor Electronics

10. Communication Systems