

11th PHYSICS METS

Most Important Topics for Board Exams 2025

(KPK BOARD)

Prepared By: Sir MAK

Measurement

- 1). Radians & Steradian
- 2). Uncertainties
- 3). Precision & Accuracy
- 4). Dimensions of Physical Quantities.
- 5). All Conceptual Questions.

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Vectors & Equilibrium

- 1). Resolution of Vectors
- 2). Product of Vectors

3). Torque or Moment of Force

4). All Conceptual Questions.

Motion & Force

1). Perfectly Elastic Collision in One Dimension.

2). Momentum & Explosive Forces

3). Projectile Motion.

4). All Conceptual Questions.

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Work & Energy

1). Work Done in Gravitational Field

2). Absolute Potential Energy

3). Escape Velocity

4). All Conceptual Questions.

Rotational & Circular Motion

- 1). Centripetal Force & Acceleration**
- 2). Banking of Road**
- 3). Torque & Moment of Inertia**
- 4). Conservation of Angular Momentum**
- 5). Real & Apparent Weight**
- 6). Orbital Velocity & Geostationary Orbits.**
- 7). All Conceptual Questions.**

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Fluid Dynamics

- 1). Terminal Velocity**
- 2). Equation of Continuity**
- 3). Bernoulli's Equation & its applications**
- 4). All Conceptual Questions.**

Oscillation

- 1). Circular motion & S.H.M
- 2). Resonance
- 3). Damped Oscillation
- 4). Simple Pendulum
- 5). All Conceptual Questions.

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Waves

- 1). Speed of Sound
- 2). Closed & Open Pipes
- 3). Dopplers Effect
- 4). Ultrasonic Waves
- 5). All Conceptual Questions.

Physical Optics

- 1). Young's Double Slits Experiment
- 2). Interference in Thin Film
- 3). Michelson's Interferometer
- 4). Diffraction of X-rays by Crystal
- 5). All Conceptual Questions.

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Thermodynamics

- 1). Application of First law of Thermodynamics.
- 2). Relation Between $C_p - C_v = R$.
- 3). Carnot Heat Engine & Carnot Cycle.
- 4). Entropy.
- 5). All Conceptual Questions.