

FBISE CLASS 10TH METS

Most Expected Topics for Board 2025

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Simple Harmonic Motion & Waves

- 1). Motion of mass attached to Spring & Simple Pendulum
(Short & Long)
- 2). Difference Between Transverse & longitudinal Waves. (Short)
- 3). Properties of Water Waves with Reference to Ripple Tank.
(Short & Long)

Sound

- 1). Characteristics of Sound (Short & Long)
- 2). Sound Intensity level (Numerical+Long)
- 3). Echo (Numerical Problem)
- 3). Application of Ultrasonics (Short)

Geometrical Optics

- 1). Total internal Reflection & Refractive Index
(Shorts + Numerical Problems)
- 2). Image Formation in Convex Lens (Short + Numerical Problems)
- 3). Compound Microscope. (Long)
- 4). Telescope. (Long)

5). Defects of Vision. (short)

Electrostatics

1). Electroscope. (short+Long)

2). Coulomb's Law. (short+ Long)

3). Electric Field Intensity. (short)

4). Combinations of Capacitor "Series & Parallel" (Long+short)

Current Electricity

1). Ohm's Law. (short+Long)

2). Factors Affecting Resistance. (short)

3). Electrical Energy (Joule's law: Kilowatt-hour) & Electric Power (short+ must one numerical)

4). Combinations of Resistor "Series & Parallel" (Long+Numerical)

Electromagnetism

1). Turning Effect (Torque) on a current carrying coil in a magnetic field (Long)

2). Faraday's Law of Electromagnetic induction. (short)

3). Lenz's law & Conservation of Energy. (short)

4). AC Generator. (Long)

5). Transformers. (Short+Numerical)

Basic Electronics

1). Cathode Ray Oscilloscope (C.R.O) (Long)

2). Analogue & Digital Electronics. (short)

3). Logic Gates & Truth Tables (Short+ Long)

Information & Communication Technology

1). Transmission of Light Signals Through Optical Fibers.

(short)

2). RAM & ROM (short)

Atomic & Nuclear Physics

1). Nuclear Radioactivity (Alpha, Beta & Gamma) (Short+Long)

2). Half Life & its Measurement. (Long+Numerical)

3). Uses of Radio isotopes. (MCQS)

4). Fission & Fusion Reaction. (Long)

