

| | | | | | |
|------------------------------|-------------------------------------|-----------------------|--------------------------|------------------------|------------------------------|
| 16 Questions | 2.81 Avg difficulty (1-3) | 0.0% % Easy | 18.8% % Medium | 81.3% % Hard | 56.3% % 11th class |
| 12 Unique chapters | 16 Unique topics | | | | |

DIFFICULTY MIX

■ Easy ■ Medium ■ Hard

CLASS SPLIT (11TH VS 12TH)

■ 11th ■ 12th

QUESTION TYPE

| | |
|---------------------------|---|
| Single Correct Only | 4 |
| One or more than one type | 4 |
| Numerical value | 4 |
| Matrix match | 4 |

TOP CHAPTERS — QUESTIONS BY DIFFICULTY

■ Easy ■ Medium ■ Hard

| Chapter | Easy | Medium | Hard |
|------------------------------------|------|--------|------|
| Rotational Motion | 0 | 1 | 2 |
| Ray Optics and Optical Instruments | 0 | 0 | 2 |
| Thermodynamics | 0 | 0 | 2 |
| Alternating Current | 0 | 0 | 1 |
| Atoms | 0 | 1 | 0 |
| Motion in a Plane | 0 | 1 | 0 |
| Electromagnetic Waves | 0 | 0 | 1 |
| Oscillations | 0 | 0 | 1 |
| Thermal Properties of Matter | 0 | 0 | 1 |
| Moving Charges and Magnetism | 0 | 0 | 1 |
| Waves | 0 | 0 | 1 |
| Electromagnetic Induction | 0 | 0 | 1 |

TOP TOPICS — QUESTIONS BY DIFFICULTY

■ Easy ■ Medium ■ Hard

| Topic | Easy | Medium | Hard |
|---|------|--------|------|
| Instantaneous Centre of Rotation | 0 | 0 | 1 |
| AC Voltage Applied to an Inductor an... | 0 | 0 | 1 |
| Combined Rotational and Translationa... | 0 | 1 | 0 |
| Lens Formula | 0 | 0 | 1 |
| Bohr Model of the Hydrogen Atom | 0 | 1 | 0 |
| Projectile Motion | 0 | 1 | 0 |
| Polytropic Process | 0 | 0 | 1 |
| Important Characteristics and Nature... | 0 | 0 | 1 |
| Simple Harmonic Motion | 0 | 0 | 1 |
| Carnot Engine | 0 | 0 | 1 |
| Heat Transfer | 0 | 0 | 1 |
| Magnetic Field Due to a Current Elem... | 0 | 0 | 1 |
| Doppler Effect | 0 | 0 | 1 |
| Total Internal Reflection in Nature ... | 0 | 0 | 1 |
| Field Induction | 0 | 0 | 1 |

DIFFICULTY × CLASS

| Difficulty | 11th | 12th |
|------------|------|------|
| Easy | 0 | 0 |
| Medium | 2 | 1 |
| Hard | 7 | 6 |

TOP SUBTOPICS — BY DIFFICULTY

■ Easy ■ Medium ■ Hard

| Subtopic | Easy | Medium | Hard |
|---|------|--------|------|
| Instantaneous Centre of Rotation | 0 | 0 | 1 |
| AC Voltage Applied to an Inductor an... | 0 | 0 | 1 |
| Superposition of Translation and Rot... | 0 | 1 | 0 |
| Graph for Lens | 0 | 0 | 1 |
| Mathematical Analysis of Bohr's Theo... | 0 | 1 | 0 |
| Analysis of Projectile Motion | 0 | 1 | 0 |
| Polytropic Process | 0 | 0 | 1 |
| Important Characteristics and Nature... | 0 | 0 | 1 |
| Time Period and Frequency | 0 | 0 | 1 |
| Carnot Engine | 0 | 0 | 1 |
| Coefficient of Thermal Conductivity | 0 | 0 | 1 |
| Magnetic Field Due to a Current Elem... | 0 | 0 | 1 |

ALL CHAPTERS 12 UNIQUE

Easy Medium Hard

| CHAPTER | Q | E | M | H | DIFFICULTY MIX |
|--------------------------------------|---|---|---|---|----------------|
| 1 Rotational Motion | 3 | — | — | 1 | 2 |
| 2 Ray Optics and Optical Instruments | 2 | — | — | 2 | |
| 3 Thermodynamics | 2 | — | — | 2 | |
| 4 Alternating Current | 1 | — | — | 1 | |
| 5 Atoms | 1 | — | 1 | — | |
| 6 Motion in a Plane | 1 | — | 1 | — | |
| 7 Electromagnetic Waves | 1 | — | — | 1 | |
| 8 Oscillations | 1 | — | — | 1 | |
| 9 Thermal Properties of Matter | 1 | — | — | 1 | |
| 10 Moving Charges and Magnetism | 1 | — | — | 1 | |
| 11 Waves | 1 | — | — | 1 | |
| 12 Electromagnetic Induction | 1 | — | — | 1 | |

ALL TOPICS 16 UNIQUE

Easy Medium Hard

| TOPIC | Q | E | M | H | DIFFICULTY MIX |
|--|---|---|---|---|----------------|
| 1 Instantaneous Centre of Rotation | 1 | — | — | 1 | |
| 2 AC Voltage Applied to an Inductor and a Capacitor | 1 | — | — | 1 | |
| 3 Combined Rotational and Translational Motion | 1 | — | 1 | — | |
| 4 Lens Formula | 1 | — | — | 1 | |
| 5 Bohr Model of the Hydrogen Atom | 1 | — | 1 | — | |
| 6 Projectile Motion | 1 | — | 1 | — | |
| 7 Polytropic Process | 1 | — | — | 1 | |
| 8 Important Characteristics and Nature of Electromagnetic Waves | 1 | — | — | 1 | |
| 9 Simple Harmonic Motion | 1 | — | — | 1 | |
| 10 Carnot Engine | 1 | — | — | 1 | |
| 11 Heat Transfer | 1 | — | — | 1 | |
| 12 Magnetic Field Due to a Current Element: Biot-Savart Law | 1 | — | — | 1 | |
| 13 Doppler Effect | 1 | — | — | 1 | |
| 14 Total Internal Reflection in Nature and its Technological Application | 1 | — | — | 1 | |
| 15 Field Induction | 1 | — | — | 1 | |
| 16 Moment of Inertia (Method of Calculation of Moment of Inertia) | 1 | — | — | 1 | |

To enable Compare mode: add tabs named "<Subject> Tagging 2026" (Physics/Chemistry/Maths) and click Refresh.