



Rahein Education Private Limited

(A COMPLETE SOLUTION OF EDUCATION)

About the Director and Founder



**Asst. Prof. Tarun Kumar Gautam
(B.Tech, M.Tech, PhD (P))**

Currently working in Jamia Hamdard, (HSC), Delhi

Author of 8 books regarding Physics and Engineering Subject.

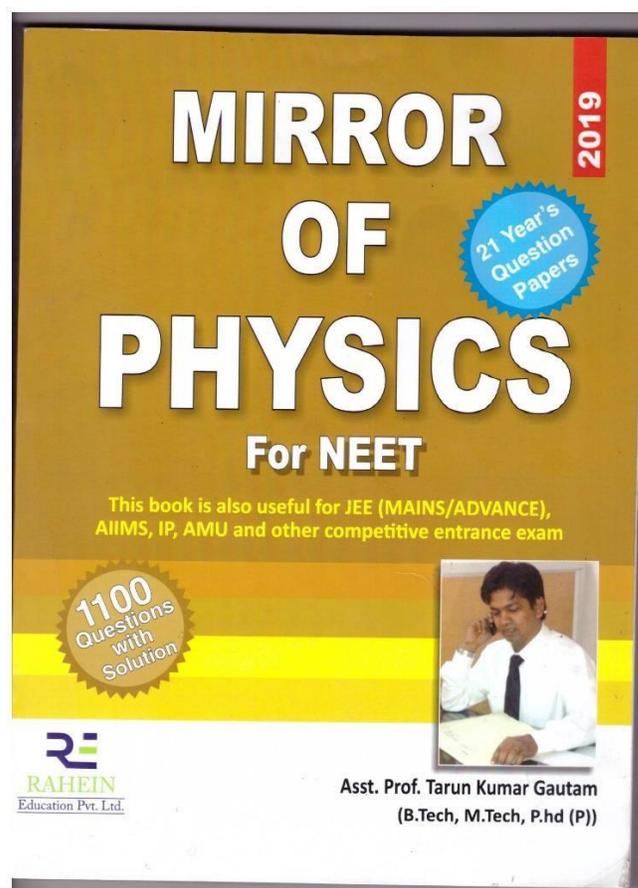
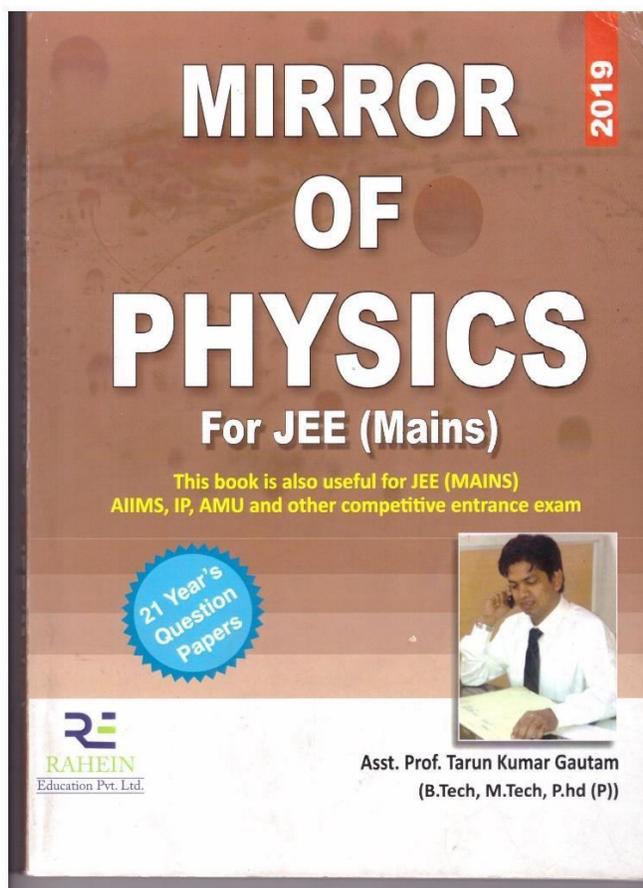
**Ex-Faculty of Rajshree Institute of Management & Technology (RMIT), Braeilly, Uttar Pradesh
Ex-Faculty of Assistant professor in Krishna Engineering Collage (KEC), Ghaziabad, Uttar Pradesh
Member of Eductaional Project in University of Petroleum and Energy Studies (UPES), Dehradun,
Uttarakand**

Brief Introduction of Director

Mr. Tarun Kumar Gautam is a distinguished alumnus of prestigious CDAC-NOIDA and Mr. Gautam qualified for GATE and AIEEE. After a brief stint with the prestigious colleges in order to disseminate his vast experience and learning in order to transform students into efficient of Engineers /Doctors of future India for the last 8 years. Resting on the strong pillars of commitment, excellence and innovation, he has laid a strong foundation of RAHEIN EDUCATION.

Mr.Gautam also doing PhD and publish many research papers in National and international journals and published many books on physics and on other fields. Mr.Gautam is ex-faculty of Jamia Hamdard University, RMIT and Sachdeva PT collage.Currently working as assistant professor in KEC (Krishna Engineering Collage). Mr.Gautam is author of 10 books. Mr. Gautam is author of famous book "MIRROR OF PHYSICS FOR NEET /JEE".

Mr. Gautam also started international journal "INTERNATIONAL JOURNAL FOR MULTIDISCIPLINARY RESERCH AND ADVANCMNET" (IJMRA) which is in pipeline



Part-1

MIRROR OF BASIC PHYSICS

FOR
Class - 12th

2020

EXEMPLAR SOLUTIONS & UPDATED PRACTICE SETS

2019-2020

This book is also useful for NEET & JEE

Top 250 Theory Questions

650+
Questions



Education Pvt. Ltd.

Asst. Prof. Tarun Kumar Gautam
(B.Tech, M.Tech, P.hD(P))

MOVE TO
INNOVATIVE ASSESMENT SYSTEM FOR JEE/ NEET PREPARATION OF PHYSICS
 Under the Guidance of Asst. Prof. Tarun Kumar Gautam (B.Tech, M.Tech, Ph.D. (P))
 Ex Faculty of RMIT, Bareilly, KEC Gaziabad, Faculty in Jamia Hamdard, Author of 6 Books

ENGLISH MEDIUM
ALL INDIA NEET/JEE SPECIAL TEST SERIES FOR PHYSICS
INDIA'S LONGEST TEST SERIES FOR PHYSICS

95 TESTS: CHAPTER WISE AND TOPIC WISE TEST

Program objective:

This is comprehensive and intensive program focusing on sincere NEET/JEE aspirants. Our experts provides step to step guidance to aspirants for understanding the concepts of physics and preparing them for scoring good marks.

Approach and Strategy:

our simple practical and focused approach will help aspirants understand the demand of NEET/JEE exam effectively. Our strategy is to constantly innovate to keep the preparation process dynamic and give personalized attention to individual aspirants based on factors like- core competence, availability of time and resource and the requirements of NEET/JEE Exam

No of Mock Test: 95 TESTS: CHAPTER WISE AND TOPIC WISE TEST

Fee: 1000 RS

Nature: Students can attempt the test unlimited

Physical World, Units and Measurement		
S.NO.		DATE
Test 1	Dimensions of Physical Quantities – 1	
Test 2	Dimensions of Physical Quantities – 2	
Test 3	Errors in Measurement	
Test 4	Unit of Physical Quantities	
Motion in a Straight Line		
Test 5	Distance, Displacement & Uniform motion	
Test 5	Non – uniform motion	
Test 6	Relative Velocity	
Test 7	Motion Under Gravity	
Motion in a Plane		
Test 8	Vectors	
Test 9	Motion in a Plane with Constant acceleration	
Test 10	Projectile Motion	
Test 11	Relative Velocity in Two Dimensions & Uniform Circular Motion	

	Laws of Motion	
Test12	Ist, IIrd & IIIrd Laws of Motion	
Test13	Motion of connected motion	
Test14	Friction	
Test15	Circular Motion and Banking of Road	
	System of Particles and Rotational Motion	
Test 16	Centre of Mass, Centre of Gravity & Principle of Moments	
Test 17	Angular Displacement, Velocity and Acceleration	
Test 18	Torque, Couple and Angular Momentum	
Test 19	Moment of Inertia, Rotational K.E. and Power	
Test 20	Rolling Motion	
	Mechanical Properties of Solids	
Test 21	Hooke's Law & Young's Modulus of Elasticity	
Test 22	Bulk and Rigidity Modulus & Work Done in Stretching a Wire	
	Work, Energy and Power	
Test 23	Work	
Test 24	Energy	
Test 25	Power	
Test 26	Collisions	
	Gravitation	
Test 27	Kepler's Laws of Planetary Motion	
Test 28	Newton's Universal Law of Gravitation	
Test 29	Acceleration due to Gravity	
Test 30	Gravitational Field, Potential and Energy	
Test 31	Motion of Satellites, Escape Speed and Orbital Velocity	
	Thermal Properties of Matter	
Test 32	Thermometry, Thermocouple & Thermal Expansion	
Test 33	Calorimetry & Heat Transfer	
Test 34	Newton's Law of Cooling	
Test 35	Kinetic Theory of an Ideal Gas & Gas Laws	
Test 36	Speeds of Gas, Pressure & Kinetic Energy	
Test 37	Degree of Freedom, Specific Heat Capacity & Mean Free Path	
	Mechanical Properties of Fluids	
Test 38	Pressure, Density Pascal's Law & Archimedes Principle	
Test 39	Fluid Flow, Reynold's Number & Bernoulli's Principle	
Test 40	Viscosity & Terminal Velocity	
Test 41	Surface Tension, Surface Energy & Capillarity	
	Oscillations	
Test 42	Displacement, Phase, Velocity & Acceleration of SHM	
Test 43	Energy in Simple Harmonic Motion	
Test 44	Time Period, Frequency, Simple Pendulum & Spring Pendulum	
Test 45	Damped SHM, Forced Oscillations & Resonance	
	Waves	
Test 46	Basic of Mechanical Waves, Progressive & Stationary Waves	
Test 47	Vibration of String & Organ Pipe	

Test 48	Beats, Interference & Superposition of Waves	
Test 49	Musical Sound & Doppler's Effect	
Electric Charges and Fields		
Test 50	Charges & Coulomb's Law	
Test 51	Electric Field, Electric Field Lines & Dipole	
Test 52	Electric Flux & Gauss's Law	
Electrostatic Potential and Capacitance		
Test 53	Electrostatic Potential & Equipotential Surfaces	
Test 54	Electric Potential Energy & Work Done in Carrying a Charge	
Test 55	Capacitors, Capacitance, Grouping of Capacitors & Energy Stored in a Capacitor	
Current Electricity		
Test 56	Electric Current, Drift of Electrons, Ohm's Law, Resistance & Resistivity	
Test 57	Combination of Resistances	
Test 58	Kirchhoff's Laws, Cells, Thermo emf & Electrolysis	
Test 59	Heating Effects of Current	
Test 60	Wheatstone Bridge & Different Measuring Instruments	
Moving Charges and Magnetism		
Test 61	Motion of Charged Particle in Magnetic Field & Moment	
Test 62	Magnetic Field, Biot – Savart's Law & Ampere's Circuital Law	
Test 63	Force & Torque on a Current Carrying Conductor	
Test 64	Galvanometer and Its Conversion into Ammeter & Voltmeter	
Magnetism and Matter		
Test 65	Magnetism, Gauss's Law, Magnetic Moment & Properties of Magnet	
Test 66	The Earth's Magnetism, Magnetic Materials and their Properties	
Test 67	Magnetic Equipments	
Electromagnetic Induction		
Test 68	Magnetic Flux, Faraday's & Lenz's Law	
Test 69	Motional and Static EMI & Applications of EMI	
Alternating Current		
Test 70	Alternating Current, Voltage & Power	
Test 71	A.C. Circuit, LCR Circuit, Quality & Power Factor	
Test 72	Transformers & LC Oscillations	
Electromagnetic Waves		
Test 73	Electromagnetic Waves, Conduction & Displacement Current	
Test 74	Electromagnetic Spectrum	
Ray Optics and Optical Instruments		
Test 75	Plane Mirror, Spherical Mirror & Reflection of Light	
Test 76	Refraction of Light at Plane Surface & Total Internal Reflection	
Test 77	Refraction at Curved Surface, Lenses & Power of Lens	
Test 78	Prism & Dispersion of Light	
Test 79	Optical Instruments	
Wave Optics		
Test 80	Wavefront, Interference of Light, Coherent & Incoherent Sources	

Test 81	Young's Double Slit Experiment	
Test 82	Diffraction, Polarization of Light & Resolving Power	
Dual Nature of Radiation and Matter		
Test 83	Matter Waves, Cathode & Positive Rays	
Test 84	Electron Emission, Photon Photoelectric Effect & X – ray	
Atoms		
Test 85	Atomic Structure, Rutherford's Nuclear Model of Atom	
Test 86	Bohr Model & The Spectra of the Hydrogen Atom	
Nuclei		
Test 87	Composition and Size of the Nucleus	
Test 88	Mass – Energy & Nuclear Reactions	
Test 89	Radioactivity	
Semiconductor Electronics: Materials, Devices and Simple Circuits		
Test 90	Solids, Semiconductors and P – N Junction Diode	
Test 91	Junction Transistor	
Test 92	Digital Electronics and Logic Gates	
Thermodynamics		
Test 93	First Law of Thermodynamics	
Test 94	Specific Heat Capacity and Thermodynamical Process	
Test 95	Carnot Engine, Refrigerators and Second Law of Thermodynamics	

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