### Online IIT-JAM Test Series Physics - 2025

## Physics by fiziks

#### **Test Pattern**

- 1. <u>Topic Wise Test (TWT)</u>:- There are 67+ topic wise test and time duration of each test is 1:00 Hour.
- 2. <u>Full Length Test (FLT)</u>:-These full length tests are as per IIT-JAM Exam pattern. There are 60 questions in each out of 60 questions all questions have to be attempt and time duration is 03:00 Hour.

Total number of test is five.

Total Number of Questions for each topic: 60 Questions

Part A Questions [1-10 Question 1 Mark, 11-30 Question 2 Mark]: 30 Questions

Part B Questions [31-40 Question 2 Mark]: 10 Questions

Part C Questions [41-50 Question 1 Mark, 51-60 Question 2 Mark]: 20 Questions

3. Student can attempt more than **1500**+ number of questions.

#### **Topic Wise Test (TWT) Schedule**

01 Mathematical Methods			
Status	Name of Test	Topics	
	TWT -01	Vector Analysis	
	TWT -02	Dirac Delta Function	
Released	TWT -03	Differential Equations	
Released	TWT -04	Linear Algebra Matrices	
	TWT -05	Fourier Series	
	TWT -06	Complex Number and Functions	

02 Mechanics and General Properties of Matter			
Status	Name of Test	Topics	
	TWT -01	Stability Analysis	
	TWT -02	Newton's Law	
Released	TWT -03	Central Force	
Refeased	TWT -04	Conservation of Energy & Momentum	
	TWT -05	Centre of Mass & Moment of Inertia	
	TWT -06	Rotational Dynamics	

03 Oscillations, Waves and Optics			
Status	Name of Test	st Topics	
	TWT -01	Simple Harmonic Motions and Its Superposition	
	TWT -02	Damped Harmonic Oscillations & Forced Oscillations	
	TWT -03	Wave Motion, Phase & Group Velocity and Doppler	
Released		Effect	
Released	TWT -04	Interference of Light	
	TWT -05	Diffraction of Light	
	TWT -06	Polarisation of Light	
	TWT -07	Ray Optics	



# Online IIT-JAM Test Series Physics - 2025

# Physics by fiziks

04 Electricity and Magnetism			
Status	Name of Test	Name of Test Topics	
	TWT -01	Coulomb's Law To Properties of Conductor	
	TWT -02	Electric Dipole To Image Problem	
Released	TWT -03	Motion of Charged Particles To Amperes Law	
	TWT -04	Magnetic Vector Potential To Magneto-static Boundary	
		Conditions	
	TWT -05	Elecromagnetic Induction, Maxwell Equations	
	TWT -06	E.M. Wave in Free Space, Dielectrics, Conductors,	
		Reflection and Transmission	

05 Kinetic Theory, Thermodynamics			
Status	Name of Test	Topics	
	TWT -01	Kinetic Theory of Gases and Maxwell Boltzmann	
		Distribution Law	
Released	TWT -02	Transport Phenomenon, Real Gases, First and Second Law	
Released	TWT -03	Entropy, Thermodynamic Potentials, Maxwell Relations	
	TWT -04	Blackbody Radiation and Elementary Statistical	
Mechanics		Mechanics	

06 Modern Physics		
Status	Name of Test Topics	
	TWT -01	Basic Properties of Nuclei
	TWT -02	Radioactivity and Nuclear Reaction
	TWT -03	Modern Physics
Dalagad	TWT -04	Tools & Postulates of Quantum Mechanics
Released	TWT -05	Free Particle
	TWT -06	2D, 3D Harmonic Oscillator
	TWT -07	Special Theory of Relativity
	TWT -08	Atomic Physics

07 Solid State Physics, Device and Electronics		
Status	Name of Test Topics	
	TWT -01	Crystal structure
	TWT -02	XRD and Reciprocal Lattice
	TWT -03	Semiconductor Physics
Released	TWT -04	Network Analysis
Released	TWT -05	PN Junction diode
	TWT -06	Transistor
	TWT -07	OP-AMP
	TWT -08	Digital Electronics

#### Full Length Test (FLT) Pattern And Schedule

Section A: 30 Multiple Choice Questions (MCQ)

Q.1 – Q.10 Carry ONE Mark Each. Q.11 – Q.30 Carry TWO Marks Each.

Section B: 10 Multiple Select Questions (MSQ)

Q.31 – Q.40 Carry TWO Marks Each.

Section C: 20 Numerical Answer Type (NAT)

Q.41 – Q.50 Carry ONE Mark Each. Q.51 – Q.60 Carry TWO Marks Each.

Date	Name of Test	Syllabus
To be announced soon	FLT – 01	Complete Syllabus of IIT - JAM
To be announced soon	FLT – 02	Complete Syllabus of IIT - JAM
To be announced soon	FLT – 03	Complete Syllabus of IIT - JAM
To be announced soon	FLT – 04	Complete Syllabus of IIT - JAM
To be announced soon	FLT – 05	Complete Syllabus of IIT – JAM

#### **How to Join in Our Online Test Series:**

- 1. Download our app Physicsbyfiziks from Google playstore (only anroid).
- 2. Visit online test portal on our website www.physicsbyfiziks.com.
- 3. Download Application Form.
- 4. Duly filled Application form along payment receipt/ transaction number should be sent by Email on fiziks.physics@gmail.com or by registered post / courier to our address

Fiziks by Physics,

House No. 40 D, Ground Floor, Jia Sarai

Near IIT, Hauz Khas, New Delhi.-110016

Phone No.: +91 - 11 - 26865455

Mobile No.: +91-9871145498, +91 – 9560523636

#### **Mode of Delivery**

You can download test papers and their solutions and QIP files from Google class room form your allotted batch.

#### **Mode of Payments**

1. You can pay concerned amount of money through QR Code Scanner on the payment provided on our website and portal.

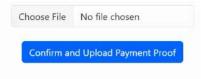


### **Online IIT-JAM Test Series** Physics - 2025

# Physics by fiziks



2. Save payment details and upload it in the given box and then complete registration process.



You can also pay in cash directly at Delhi centre in Jia Sarai.

