



FULL Guidance Manual for CUET PG Physics Exam

NOTE: Previous year Questions of IIT JAM are available topic wise on our website: www.physicsbyaaryan.com

1. Mathematical Methods

a. Calculus of Single and Multiple variables

- Class 12-NCERT-Continuity and Differentiability
- Dpp sheet: Solve all examples of NCERT and exercises
- This topic is not very important for CUCET. Do it only if you have extra time.
- Solve PYQ of IIT Jam and CUCET

b. Jacobian and Taylor Series

- Short Notes of "Physics By Aaryan"
- Assignment: Solve PYQ of IIT JAM only.

c. Fourier Series

- Short Notes of "Physics By Aaryan"
- Dpp sheet: Solve the assignment given to you in course. Q:1-15 only
- Solve PYQ of IIT JAM and CUCET

d. Vector Algebra and Vector Calculus

- Short Notes of "Physics By Aaryan"
- Dpp sheet: Solve the assignment given to you in course.
- Solve PYQ of IIT JAM and CUCET

e. Differential Equations

- First order ODE Class-12: NCERT- Chapter: Differential equations
- Solve all questions of NCERT
- Second Order ODE: Notes Uploaded
- Solve all questions of Notes
- No additional DPP sheet is needed. Notes and NCERT have many questions.
- PYQ of IIT JAM and CUCET

f. Matrices

- Notes: Uploaded
- Solve all Questions of Notes
- PYQ of IIT JAM and CUCET



g. Complex Numbers

- NCERT: Class 11: chapter complex numbers
- Solve all questions of NCERT
- PYQ of IIT JAM and CUCET

TEST: Complete Full Test of Mathematics

2. Mechanics

a. High School Topics: Newton Laws, Collisions, Kinematics, Rigid Motion, Moment of Inertia, Fluid Mechanics.

- Notes(CLASS 11 Revision Notes) : Uploaded Ch1-7
- Read notes very well and solve questions (MCQ and subjective both)
- Spend good amount of time here because it is very important and many questions directly come.
- No other dpp sheet needed. Notes have a lot of questions.
- PYQ of IIT Jam and CUCET

b. Central Forces

- Short notes of Physics by Aaryan
- PYQ of JAM and CUCET
- Dpp sheet: uploaded (give Mechanics Full test before you solve this assignment)

c. Pseudo Forces

- Short notes of Physics by Aaryan
- PYQ of JAM and CUCET
- Dpp sheet: uploaded(give Mechanics Full test before you solve this assignment)

d. Velocity and Acceleration in Different coordinates

- Only short notes of Physics by Aaryan

TEST: Complete Full Test of Mechanics

3. Waves, Oscillations and Optics:

a. Oscillations

- NK Bajaj: Ch1 Full
- Dpp sheet: Uploaded
- PYQ of IIT JAM and CUCET



PHYSICS BY AARYAN
(JAM| JEST| GATE| NET| CENTRAL UNIVERSITIES)



Mob:9501976811; Join telegram: physics by aaryan; website: physicsbyaaryan.com

b. Superposition of Waves

- NK Bajaj: Ch2 Selective Topics (see the guidance image of ch2 uploaded in folder)
- Dpp Sheet uploaded
- PYQ of JAM and CUCET

c. Waves

- Class 11 Revision Notes: Ch 10
- Dpp sheet: uploaded
- PYQ of IIT JAM and CUCET

d. Damped and Forced Oscillations

- Notes: Uploaded
- CUCET students should do this topic only when they have extra time
- Dpp sheet: Uploaded
- PYQ of IIT jam and CUCET

e. Ray Optics

- Notes: Uploaded: Till page 11 only
- Solve questions of the Notes
- PYQ of IIT JAM and CUCET

f. Interference

- Subramaniam chapter on interference: Marked Topics
- Dpp Sheet: Uploaded
- PYQ of IIT JAM and CUCET

g. Diffraction and Resolution

- Subramaniam chapter : Marked Topics
- Dpp Sheet: Uploaded
- PYQ of IIT JAM and CUCET

h. Polarization

- Subramaniam chapter : Marked Topics
- Dpp Sheet: Uploaded
- PYQ of IIT JAM and CUCET

TEST: Complete Full Test of Waves, Oscillations and Optics



PHYSICS BY AARYAN

(JAM| JEST| GATE| NET| CENTRAL UNIVERSITIES)



Mob:9501976811; Join telegram: [physics by aaryan](#); website: [physicsbyaaryan.com](#)

4. Electricity and Magnetism

a. Electrostatics

- DJ Griffiths: Ch 2 Read in detail
- Notes of Physics by Aaryan(upload date:15June)
- Dpp sheet: uploaded
- PYQ of IIT jam and CUCET

b. Magnetostatics

- DJ Griffiths: Ch 5 Read in detail
- Notes of Physics by Aaryan(upload date:15June)
- Dpp sheet: uploaded
- PYQ of IIT jam and CUCET

c. Electrodynamics

- Notes of Physics by aaryan(upload date:15June)
- DJ Griffiths: Ch:7
- Dpp sheet: uploaded
- PYQ of IIT jam and CUCET

d. Particle under Electric and Magnetic Force

- Notes of Physics by Aaryan(upload date:15June)
- Dpp sheet: uploaded
- PYQ of IIT jam and CUCET

e. AC and DC Circuits

- Formula sheet: uploaded
- Dpp sheet: uploaded
- PYQ of IIT JAM and CUCET

TEST: Complete Full Test of Electricity and Magnetism



5. Modern Physics

a. Relativity

- RB Singh: Ch1 Full
- Solve all Examples and Problems
- Dpp Sheet: MCQ easy Sheet:Uploaded
- PYQ of IIT JAM AND CUET

b. Modern Phenomenon

- Arthur Bieser: Ch2-3 Full
- Dpp Sheet: Solve Back Exercise of Arthur bieser(Excellent and very relevant questions)
- PYQ of IIT JAM AND CUET

c. Atomic Physics

- Arthur Bieser: Ch 4Full
- Arthur Bieser: Ch2-3 Full
- Dpp Sheet: Solve Back Exercise of Arthur bieser(Excellent and very relevant questions)
- PYQ of IIT JAM AND CUET

d. Quantum Mechanics

- RB Singh: Unit 2: Ch3
- Arthur Bieser : Ch 5
- Dpp Sheet: Solve Back Exercise of Arthur bieser(Excellent and very relevant questions)
- PYQ of IIT JAM AND CUET

TEST: Complete Full Test of Modern Physics



6. Electronics and Solid State Physics

a. Solid State Physics

- Puri and Babbar: Ch1 Full Read
- Physics by Aaryan Notes(Must Read Notes)
- Dpp Sheet: Solve Back Exercise of Arthur bieser(Excellent and very relevant questions)
- PYQ of IIT JAM AND CUET

b. Diodes

- VK Mehta : Ch 5 Full
- VK Mehta : Ch 6 Full
- Must Solve all the examples of VK Mehta.
- Vk Mehta book has very nice Mcqs in the end. (Must Solve)
- PYQ of IIT Jam and CUET

c. Transistors and Transistor Biasing

- VK MEHTA: Ch 8 (Till topic 8.23)
- Vk Mehta: Ch9 (Till topic 9.14)
- Must Solve all the examples of VK Mehta.
- Vk Mehta book has very nice Mcqs in the end. (Must Solve)
- PYQ of IIT Jam and CUET

d. OP-Amp

- Vk Mehta: Chapter 25(From 25.15 till end)
- Must Solve all the examples of VK Mehta.
- Vk Mehta book has very nice Mcqs in the end. (Must Solve)
- PYQ of IIT Jam and CUET

e. Digital Electronics

- VK Mehta:Ch26(don't do topic 26.18,26.19,26.32,26.33)
- Must Solve all the examples of VK Mehta.
- Vk Mehta book has very nice Mcqs in the end. (Must Solve)
- PYQ of IIT Jam and CUET



TEST: Complete Full Test of Electronics and Solid State Physics

7. Thermal Physics and Statistical Mechanics

a. Thermodynamics and Kinetic Theory

1. Physics by Aaryan Notes(Must)
2. Reference Book: Garg bansal Gosh (Notes are enough, Book is only for Reference)
3. Previous year of IIT JAM and CUET
4. Dpp Sheet

b. Statistical Mechanics

1. Physics by Aaryan Notes(Must)
2. Reference Book: BB Laud (Notes are enough, Book is only for Reference)
3. Previous year of IIT JAM and CUET
4. Dpp Sheet

TEST: Complete Full Test of Thermal Physics and Stat Mech

Physics BY Aaryan