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VIJAY KUMAR CHIRUTHA

NEET / IIT-JEE FOUNDATION



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NEET FOUNDATION
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NEET / IIT-JEE FOUNDATION EXAMS – SYLLABUS

NEET & IIT-JEE FOUNDATION SYLLABUS (Module-wise)

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→ SUBJECTS COVERED

- **Physics**
- **Chemistry**
- **Mathematics (for IIT-JEE foundation)**
- **Biology (for NEET foundation)**

PHYSICS – MODULES

Module 1: Basics of Physics

- Physical quantities & units
- Measurement & errors
- Scalars & vectors

Module 2: Motion & Laws

- Motion in 1D & 2D
- Graphs of motion
- Newton's laws of motion
- Friction

Module 3: Work, Energy & Power

- Work done by forces
- Kinetic & potential energy
- Law of conservation of energy
- Power

Module 4: Gravitation & Fluids

- Universal law of gravitation
- Pressure in liquids
- Buoyancy & Archimedes' principle

PHYSICS – MODULES

Module 5: Heat & Thermodynamics

- Temperature & heat
- Calorimetry
- Laws of thermodynamics (basic)

Module 6: Waves & Sound

- Nature of sound
- Wave motion
- Echo, resonance

Module 7: Light & Optics

- Reflection & refraction
- Mirrors & lenses
- Human eye (introductory)

Module 8: Electricity & Magnetism

- Electric current & circuits
- Ohm's law
- Magnetic effects of current
- Electromagnetism (basic)

CHEMISTRY – MODULES

Module 1: Basic Concepts

- **Matter & its nature**
- **Physical & chemical changes**
- **Atomic & molecular masses**

Module 2: Atomic Structure

- **Atoms & molecules**
- **Bohr model (intro)**
- **Subatomic particles**

Module 3: Periodic Table

- **Modern periodic law**
- **Periodic trends**
- **Classification of elements**

Module 4: Chemical Bonding

- **Ionic & covalent bonds**
- **Valency**
- **Lewis structures (basic)**

CHEMISTRY – MODULES

Module 5: States of Matter

- Solids, liquids & gases
- Changes of state

Module 6: Chemical Reactions

- Types of reactions
- Balancing equations
- Acids, bases & salts

Module 7: Carbon & Its Compounds

- Hydrocarbons
- Functional groups
- Polymers (intro)

Module 8: Metals & Non-Metals

- Properties
- Corrosion
- Extraction basics

MATHEMATICS – IIT-JEE FOUNDATION

Module 1: Numbers & Algebra

- **Integers, rational & irrational numbers**
- **Exponents & powers**
- **Linear equations**

Module 2: Polynomials

- **Algebraic expressions**
- **Factorization**
- **Identities**

Module 3: Geometry

- **Lines & angles**
- **Triangles & quadrilaterals**
- **Circles**

Module 4: Mensuration

- **Areas & volumes**
- **Surface area of solids**

MATHEMATICS – IIT-JEE FOUNDATION

Module 5: Coordinate Geometry

- **Cartesian plane**
- **Distance formula**

Module 6: Trigonometry

- **Trigonometric ratios**
- **Identities**
- **Heights & distances (basic)**

Module 7: Statistics & Probability

- **Mean, median, mode**
- **Simple probability**

BIOLOGY – NEET FOUNDATION

Module 1: Cell Biology

- **Cell structure & function**
- **Prokaryotic & eukaryotic cells**

Module 2: Plant Physiology

- **Photosynthesis**
- **Respiration**
- **Transpiration**

Module 3: Human Physiology

- **Digestive system**
- **Respiratory system**
- **Circulatory system**
- **Excretory system**

Module 4: Reproduction

- **Human reproduction (basic)**
- **Plant reproduction**

BIOLOGY – NEET FOUNDATION

Module 5: Genetics (Intro)

- Heredity & variation
- Mendel's laws (basic)

Module 6: Environment & Ecology

- Ecosystem
- Food chain & food web
- Biodiversity

Module 7: Health & Diseases

- Nutrition
- Communicable & non-communicable diseases

Educating The World

NEET / IIT-JEE FOUNDATION FOCUS

- **Concept clarity**
- **Logical thinking**
- **Numerical problem solving**
- **Early exposure to NEET / JEE-type questions**



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NEET FOUNDATION
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OUR SERVICE

WE ARE PROVIDING MULTIPLE COMPETITIVE EXAMS COACHING

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- **INDIAN STATE PSCS EXAMS**
- **NEET, IIT-JEE FOUNDATION**
- **DSC-BED EXAMS**
- **SSC, BANKING, RAILWAYS EXAMS**
- **NCERTS, IB, STATE BOARD EXAMS**
- **NATIONAL LAW COMPETITIVE EXAMS**
- **STATE POLICE DEPT EXAMS**
- **CAT/CSAT/EMCET/GATE EXAMS**
- **SCHOOL, COLLEGE, UNIVERSITY EXAMS**
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About US

- We are Providing the best training for all the important competitive exams across India , Present Online classes and Offline in near future
- We have well Experienced and Capable Trainers/Lectures/Mentors
- We give the best content to cover all your academic course syllabus and its practical knowledge
- We give 2 to 3 Assignments everyday to our students which helps the more interactivity with training course and its knowledge
- We explains the 5 to 10 PYQs of all stages of examination process and letting the students to know to how the Examiners framing the questions based each topic

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THANK YOU SO MUCH

CONTACT US

+91 - 868616 2009

www.vijaykumarchirutha.com

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