



RG है तो संभव है

6 TIPS

**TO REMOVE
BACKLOGS**

TOP 10

**MEDICAL COLLEGES
IN INDIA**

*Discover 2024's Best. India's
Top 10 Medical Colleges
Excelling in Healthcare
Education & Innovation*

RG ACADEMY

*A gateway to
ENGINEERING
EXCELLENCE
Top 10 Engineering
Colleges in India*

SYLLABUS

**JEE MAINS 2024
NEET 2024**

**RG Academy's
Expert Faculty:
Guiding Aspirants
to Success**

“ **RG Academy**
Shaping Careers, Enlightening Futures

FOUR TIPS

How TO

Keep Preparing for
NEET UG

along with Class 12
Board exams? ”



MESSAGE TO STUDENTS & PARENTS

To build skyscrapers, a strong foundation is required. The same applies to academics as well. Competitive examinations like the Joint Entrance Examination (JEE) for IITs and NITs, NEET for prestigious medical colleges, CPT / IPCC for Commerce, etc., have become the ultimate targets for which the students aspire. Generally, they plan to prepare for them in the most trivial way by just working for the Entrance exam in class XI and XII or sometimes even after that.

As per our observation at class XI and XII level, most students don't fare very well where they are required to implement hard-core mathematics and analytical skills. This makes the student lag behind in all aspects. Every field, as we know today, requires a strong hold on mathematical and logical reasoning.

This thing should be worked out at the root level itself. Our Foundation Course targets to enhance the basic skills, in Mathematics and Science, of the student in the junior classes itself so that they have a strong foundation prepared when they start preparing for these competitive examinations.

The mentors of the academy have to-the-point experience of which areas of Mathematics and Science are to be strengthened in what way, in junior classes, so that the student is able to cope up with the subjects and may get an extra edge later on in class XI and XII.

The academy has expertise in engineering and medical entrance preparations and mentors can exactly read and interpret the students' mindset and mold and shape them accordingly, so that they are prepared to stretch their analytical and logical thinking skills.

The target is to develop the basics of students in such a way that, along with developing a strong foundation, they are able to face talent search examinations like NTSE, NSTSE, STSE, Olympiads as well as the school examinations with ease.

Dear Parents, we don't believe in the overburden of studies and making them slog for assignments and tests. A child at the age of 14-16 requires overall development physically as well as mentally. Our weekly schedule for classes is such designed that it takes care of the complete academic appetite and allows the student to participate in recreational activities of his/her choice.



MR. RATNESH DAYAL (B.TECH IIT DELHI)

A perfectionist at his work, R.D. Sir is probably one amongst the very few who has in-depth knowledge in both maths and chemistry. His methodology in teaching combined with vast knowledge makes him one of the best mentors for IIT-JEE preparation.



MR. GIRISH JAIN (B.TECH IIT DELHI)

A pioneer of IIT-JEE preparation in Ajmer, he is a thorough professional whose impeccable class delivery clubbed with his vast experience makes him one of the best Physics Teacher. An IITian himself, he has mentored many young minds to the path of success since his college days.



TOP 10

MEDICAL COLLEGES IN INDIA



In the fiercely competitive landscape of medical education in India, where thousands of students vie for coveted seats, certain institutions stand out for their excellence in training the future healthcare professionals. The National Institutional Ranking Framework (NIRF) consistently evaluates and recognizes the top medical colleges in the country, shedding light on the institutions that excel in providing comprehensive medical education.

Here are the top 10 medical colleges in India:





ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS) DELHI:

AIIMS Delhi has consistently maintained its top position in the NIRF ranking since 2023. Offering a range of undergraduate (UG) and postgraduate (PG) programs, including MBBS, BSc, B.Optom, MD, MS, MSc, and PhD, AIIMS Delhi is renowned for its academic excellence. Admission to its programs requires qualifying exams such as NEET and INI-CET Entrance Exam. Notable for its contributions to medical education, AIIMS Delhi continues to attract top talent across the country.

01



POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH (PGIMER):

Recognized as an 'Institute of National Importance,' PGIMER offers various programs including BS.Sc, M.Sc, MD, MS, DM, MPH, MHA, Ph.D., M.Ch., and MDS. Admission to MD/ MS/ MCh/ DM/ MDS courses is through the INI CET exam. With a focus on advanced medical education and research, PGIMER remains a premier institution in the field of medicine.

02



CHRISTIAN MEDICAL COLLEGE (CMC):

CMC, accredited by NABH and approved by MCI, offers a wide range of UG, PG, diploma, and other courses in Medicine, Nursing, Allied Health Sciences, and more. With a 2,500 bedded hospital, CMC Vellore provides comprehensive medical education and healthcare services, including distance education programs.

03



NATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCE (NIMHANS):

As an Institute of National Importance, NIMHANS offers programs in various disciplines including Psychiatry, Neurochemistry, Nursing, Genetics, and Epidemiology. With state-of-the-art facilities and research centers, NIMHANS is a pioneer in mental health education and treatment.

04



JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION & RESEARCH (JIPMER):

Declared an Institution of National Importance, JIPMER offers MBBS, MD, MS, DM, MCh, PhD, BSc, MSc, MPH, and allied health sciences programs. With a strong emphasis on research and education, JIPMER continues to produce skilled healthcare professionals.

05

AMRITA VISHWA VIDYAPEETHAM:

Ranked highly under the 'University' and 'Medical' categories by NIRF, Amrita Vishwa Vidyapeetham offers a diverse range of courses. Accredited by NAAC, NABL, and NABH, the university is known for its quality education and research across various disciplines.

06



ALL INDIA INSTITUTE OF MEDICAL SCIENCES JODHPUR (AIIMS JODHPUR):

Established under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY), AIIMS Jodhpur is among the six AIIMS institutes in India. Offering a range of UG, PG, and PhD programs, AIIMS Jodhpur has gained recognition as an Institute of National Importance. Toppers like Vidhi Vincent and Piyush Tanwani, who scored 700+ marks in NEET, have successfully secured admissions to AIIMS Jodhpur. This achievement reflects the institute's commitment to nurturing top talent in the field of medicine.

07

SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES:

Recognized by UGC and approved by MCI, SGPGIMS offers MD, DM, and MCh courses through entrance exams like NEET PG and NEET SS. With a focus on academic excellence and career placement, SGPGIMS ensures holistic development of its students.

08



BANARAS HINDU UNIVERSITY (IMS-BHU):

IMS-BHU, one of the six institutes of BHU, offers a range of medical courses including MBBS, BDS, and various super-specialties. With a legacy of quality education and research, IMS-BHU continues to produce skilled healthcare professionals.

09



KASTURBA MEDICAL COLLEGE, MANIPAL (KMC):

Affiliated with Manipal Academy of Higher Education, KMC offers UG, PG, and postdoctoral programs. Accredited by NAAC and approved by NMC, KMC is known for its comprehensive medical education and training.

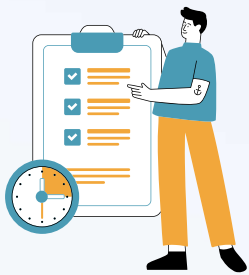
10

RG Academy consistently produces medical entrance exam toppers, shaping successful careers. Notable achievers like Vidhi Vincent, Piyush Tanwani, Krish Khatod and Chaitanya Verma have secured positions in prestigious medical institutes, showcasing the impactful coaching and guidance provided by RG Academy's expert faculty members. These success stories highlight RG Academy as an ideal choice for aspiring medical professionals aiming for premier institutes in India.



6 TIPS

TO REMOVE BACKLOGS



1

PRIORITIZE TOPICS

Identify the subjects and topics where you have the most backlogs. Prioritize them based on their weightage in the exams and your proficiency level.



3 CONSISTENT REVISION

Schedule regular revision sessions to reinforce concepts and ensure long-term retention. Use spaced repetition techniques to review topics at spaced intervals for better understanding.



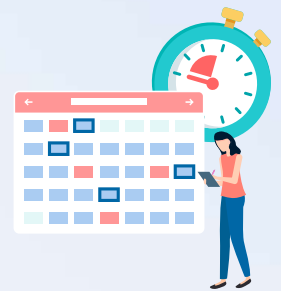
5 PRACTICE REGULARLY

Incorporate regular practice sessions, solving previous year question papers, and taking mock tests to gauge your progress and identify areas needing improvement.

2

CREATE A STUDY SCHEDULE

Develop a realistic study schedule that allocates sufficient time to cover each backlog topic thoroughly. Break down your study sessions into manageable chunks to avoid overwhelm.



4

SEEK CLARIFICATION

Don't hesitate to seek help from teachers, peers, or online resources if you encounter difficulties in understanding certain topics. Clarifying doubts promptly can prevent backlogs from accumulating further.



6

STAY ORGANISED

Maintain a structured study environment and keep your study materials organized. Use tools like flashcards, notes, or digital apps to keep track of your progress and upcoming deadlines.



TOP 10 ENGINEERING COLLEGES IN INDIA



RG ACADEMY: A GATEWAY TO ENGINEERING EXCELLENCE

In the competitive landscape of engineering education in India, where securing a seat in prestigious institutions is a dream for many, few dedicated teaching institutes contribute significantly in shaping the success stories of aspirants. RG Academy is one such institute that with an unwavering commitment to guiding students towards success, consistently strives to secure maximum admissions in the country's top engineering institutes year after year.

1.

INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT MADRAS):

Known nationally and globally for its excellence in technical education, research, and innovation, IIT Madras holds the coveted title of the No.1 engineering university in India. Recently designated as an Institute of Eminence, it continues to maintain its pre-eminent status.



2.

INDIAN INSTITUTE OF TECHNOLOGY DELHI (IIT DELHI):

Established in 1961, IIT Delhi is a Center of Excellence for training, research, and development in science, engineering, and technology. Notable toppers from coaching centers like RG Academy, including Vrinda Bansal, have excelled at IIT Delhi, contributing to its stellar reputation.



3.

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY (IIT BOMBAY):

Globally recognized as a top-rated technical university, IIT Bombay offers academic and research programs in various disciplines. It's a matter of great pride for us that some of the RGians have excelled at this prestigious institution. Scholars like Apoorv Goyal, Parth Maheshwari, and Mridul Sonkar, who emerged as the JEE toppers in 2023 from RG Academy, are now thriving as students at IIT Bombay.



4. IIT KANPUR

A premier government-funded institution consistently ranking among the top 5 engineering institutes in India, IIT Kanpur emphasizes research in all academic programs.



5. IIT KHARAGPUR

The oldest, largest, and most diversified IIT, Kharagpur boasts a rich history of over 60 years. It houses a B-School, Law School, Engineering, and Sciences, fostering excellence in a competitive environment.

6. IIT ROORKEE

Established more than 175 years ago, IIT Roorkee is known for its contributions to technological development. We are proud of some of our RG toppers who have made their mark in this premium institute. RGians like Harsh Jadwani and Priyanshi Meghnani, the 2023 JEE Toppers from RG Academy, are scholars of this institute today, doing exceptionally well. The institute plays a pivotal role in providing technical manpower and know-how to the country and in the pursuit of research.



7. IIT GUWAHATI

Established in 1994, IIT Guwahati has become a prominent member of the IIT fraternity. The topper RGian Rishi Agarwal is one of the scholars of the prestigious institute.

8. IIT BHUBANESWAR

Established in 2008, IIT Bhubaneswar is recognized for its contributions to science and technology education. The success of toppers like Divyansh Sharma from RG Academy exemplifies the institute's commitment to academic excellence.



9. IIT HYDERABAD

Founded in 2008, IITH is ranked among the top 10 institutions in India for engineering. Known for its focus on science and technology education, it continues to attract top talent.

10. NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (NITK)

Originally established in 1960, NITK became a National Institute of Technology in 2002. Known for its contribution to education, business, and trade in the region, it consistently produces skilled engineers contributing to India's technological growth.

RG Academy consistently produces engineering entrance exam toppers, shaping successful careers. Notable achievers like Apoorv Goyal, Mridul Sonkar, Parth Maheshwari, Harsh Jadwani, Priyanshi Meghnani, Divyansh Sharma and Vrinda Bansal (as also mentioned above) have secured positions in prestigious institutes like IIT Bombay, IIT Roorkee, IIT Bhubaneswar and IIT Delhi. These success stories highlight the impactful coaching and guidance provided by RG Academy, making it an ideal choice for aspiring engineers aiming for premier institutes in India.



**FOUR
TIPS**



Keep Preparing for
NEET UG

**along with Class 12
Board exams?**

tip 1

Master the Basics

Dive deep into the NCERT textbook of Physics, Chemistry & Biology, making thorough notes and practicing NCERT problems to build a solid foundation.

tip 2

Time Management

Craft a balanced study schedule, allocating more time to NEET preparation initially and adjusting as board exams draw nearer. Prioritize effectively to make the most of your study time.

tip 3

Focus on Key Topics

Identify crucial subjects like advanced organic chemistry essential for NEET but often overlooked in board exams. Dedicate extra time to mastering these topics to enhance your overall preparation.

tip 4

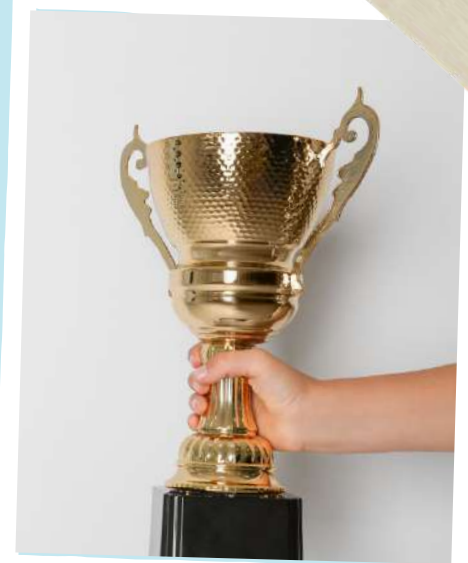
Master the Basics

Maintain a healthy lifestyle, incorporating exercise, balanced nutrition, and regular sleep. Prioritize mental health with relaxation techniques and seek support from family, teachers, and coaching programs for guidance and assistance as needed.

JEE MAIN 2024 SYLLABUS:

A comprehensive Guide

The journey to crack the Joint Entrance Examination (JEE) is a challenging yet rewarding endeavor for aspiring engineers. As the National Testing Agency (NTA) releases the JEE Main 2024 syllabus, it becomes imperative for aspirants to acquaint themselves with the topics that will shape their preparation.



Planned Preparation

The JEE Main 2024 syllabus remains consistent with previous years, ensuring that aspirants are well-prepared for the examination. The National Testing Agency has thoughtfully curated the syllabus, covering key subjects and topics that are fundamental to success in the JEE Mains examination.

Physics

- Physics and Measurement
- Thermodynamics
- Kinematics
- Rotational Motion
- Gravitation
- Work and Energy
- Power
- Properties of Solids & Liquids
- Laws of Motion
- Electronic Devices
- Oscillations
- Waves
- Current Electricity
- Electromagnetic Waves
- Communication Systems
- Electromagnetic Induction
- Magnetism
- Alternating Currents
- Magnetic Effects of Current
- Kinetic Theory of Gases
- Dual Nature of Matter
- Radiation
- Atoms
- Nuclei
- Optics
- Electrostatics

Physical Chemistry

- Basic Concepts in Chemistry
- States of Matter
- Chemical Bonding
- Atomic Structure
- Molecular Structure
- Solutions
- Redox Reactions
- Chemical Thermodynamics
- Equilibrium
- Electrochemistry
- Surface Chemistry
- Chemical Kinetics

Maths

- Sets, Relations & Functions
- Complex Numbers
- Determinant
- Quadratic Equations
- Matrices
- Permutations Combinations
- Mathematical Induction
- Sequence Series
- Binomial Theorem
- Limits and Continuity
- Differentiability
- Statistics
- Differential Equations
- Integral Calculus
- Trigonometry
- Vector Algebra
- Coordinate Geometry
- Mathematical Reasoning
- 3D Geometry
- Probability

Organic Chemistry

- Polymers
- Principles of Practical Chemistry
- Organic Compounds – Characterization and Purification
- Oxygen, Halogens, and Nitrogen Organic Compounds
- Hydrocarbons
- Biomolecules
- Basic Principles of Organic Chemistry
- Chemistry in Everyday Life

Inorganic Chemistry

- Hydrogen
- Classification of Elements
- Periodicity
- Alkali metals
- Group 13 to Group 18 Elements
- Alkaline Earth Metals
- D and f Block Elements
- Coordination Compounds
- Environmental Chemistry
- Isolation of Metals



Importance of Syllabus Awareness

Students are strongly advised to download the JEE Main 2024 syllabus PDF from the official NTA website. This not only provides clarity on the exam structure but also serves as a roadmap for focused and effective preparation.

RG

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RG Academy's Expert Faculty: Guiding Aspirants to Success

Preparing for JEE Mains requires more than just knowledge; it demands proper guidance. At RG Academy, our experienced faculty is dedicated to supporting and guiding aspirants throughout their preparation. Our specialists ensure students grasp complex concepts, providing both knowledge and motivation. With personalized attention to individual strengths and weaknesses, our faculty, boasting years of JEE coaching experience, helps students navigate the exam intricacies.

As aspiring engineers gear up for JEE Mains 2024, a holistic approach that includes a thorough understanding of the syllabus and expert guidance from mentors at RG Academy will pave the way for success. Armed with knowledge and mentorship, aspirants can confidently stride towards achieving their goals in the upcoming JEE Mains examination.

A COMPREHENSIVE
GUIDE TO
**SYLLABUS
& SUCCESS**

NEET 2024



Aspiring medical professionals aiming for the top colleges in India must navigate through a rigorous syllabus to secure success in the National Eligibility cum Entrance Test (NEET) 2024.

Even our approach at RG Academy underscores the necessity of sticking to the prescribed syllabus, strategically navigating through its vastness with precision and focus. We emphasize the efficient allocation of study time to high-yield topics that are pivotal for success in NEET, thereby optimizing the preparation process. This disciplined adherence to the syllabus not only prevents students from venturing into less relevant areas but also enhances their overall preparation efficiency.

BIOLOGY

- Living World
- Biological Classification
- Reproduction in Organisms
- Plant Kingdom
- Sexual Reproduction in Flowering Plants
- Morphology of Flowering Plants
- Anatomy of Flowering Plants
- Principles of Inheritance and Variation
- Molecular Basis of Inheritance
- Cell – The Unit of Life
- Strategies for Enhancement in Food Production
- Cell Cycle and Cell Division
- Organisms and Populations
- Ecosystem
- Microbes in Human Welfare
- Biodiversity and Conservation
- Environmental Issues
- Transport in Plants
- Mineral Nutrition
- Photosynthesis in Higher Plants
- Respiration in Plants
- Plant Growth and Development
- Animal Kingdom
- Structural Organisation in Animals
- Digestion and Absorption
- Breathing and Exchange of Gases
- Human Reproduction
- Reproductive Health
- Human Health and Disease
- Evolution
- Excretory Products and their Elimination
- Biomolecules
- Locomotion and Movement
- Neural Control and Coordination
- Chemical Coordination and Integration
- Body Fluids and Circulation
- Biotechnology – Principles and Process
- Biotechnology & Its Application

PHYSICS

- Unit and Measurements
- Mathematical Tools
- Motion in a Straight Line
- Electric Charges and Fields
- Motion in a Plane
- Electrostatic Potential and Capacitance
- Current Electricity
- Laws of Motion
- Moving Charges and Magnetism
- Work, Energy, and Power
- Magnetism and Matter
- Electromagnetic Induction
- Systems of Particles and Rotational Motion
- Alternating Current
- Electromagnetic Waves
- Ray Optics and Optical Instruments
- Gravitation
- Wave Optics
- Mechanical Properties of Solids
- Mechanical Properties of Fluids
- Dual Nature of Radiation and Matter
- Structure of Atoms
- Nuclei
- Oscillations and Waves
- Thermal Properties of Matter
- Thermodynamics
- Kinetic Theory of Gases
- Communication Systems

NEET is indeed a challenging examination that demands a comprehensive understanding of these subjects. The competition for top medical colleges is intense, requiring aspirants to not only cover the syllabus thoroughly but also to be well-prepared for the exam's difficulty level. The journey to NEET success is often made smoother with the right mentorship. RG Academy, with its proven track record of creating toppers every year, provides aspirants with the guidance and expertise needed to navigate the complexities of the NEET examination. Choosing the right mentor can be a decisive factor in achieving success, and RG Academy stands as a reliable partner in the journey of NEET preparation.

CHEMISTRY

- Some Basic Concepts Of Chemistry
- Structure of an Atom
- Periodic Table and Periodicity in Properties
- Chemical Bonding and Molecular Structure
- Solid State
- States of Matter
- Thermodynamics
- Solutions
- Organic Chemistry – Some Basic Principles And Techniques
- Electrochemistry
- Chemical Kinetics
- Hydrocarbons
- Differentiations & Conversions – Organic Chemistry
- Haloalkanes and Haloarenes
- Alcohols, Phenols, and Ethers
- Aldehydes, Ketones and Carboxylic Acids
- Amines
- Equilibrium
- Coordination Compounds
- The p-Block Elements
- d and f Block Elements
- Surface Chemistry
- Redox Reactions
- Hydrogen
- s-Block Elements
- Polymers
- General Principles and Processes of Isolation of Elements
- Environmental Chemistry
- Chemistry in Everyday Life
- Reaction Mechanism
- Biomolecules