



SimplyLearnt



For

Engineering 2017



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About Simplylearnt

Simplylearnt.com is running for 7 years and is well famous for providing Medical and Engineering entrance's online preparation in an exciting manner.

We provide complete guidance to our students through 9-milestone study plan, in which we prepare a timetable for students through this schedule you can manage your timing between the entrance and school preparation.

We put all efforts on making boring studies exciting and every student who did preparation on simplylearnt didn't get bored in doing preparation. We give the guarantee of solving student's query in 1 working Day.

About RAT

RAT is a Rank Assessment Test in which Medical or Engineering aspirants can find out their estimated All India Rank before the actual examination. So that you can able to find out your level of examination and get motivated for doing best in the upcoming time period.

Simplylearnt announces this exam in November of every year from the past couple of years for all those Medical and Engineering aspirants who are aiming for giving exam in next two years.

Every year lakhs of students applies for this exam and get their estimated All India Rank.

Eligibility for RAT

Students aiming for any medical or engineering entrance exam in coming two years i.e. 2017 and 2018 are eligible to attempt for RAT 2016. We are supporting following exams:

For medical:

1. National Eligibility-cum-Entrance Test undergraduates (NEET UG),
2. All India Institute of Medical Sciences (AIIMS),
3. Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER)

For engineering:

1. Joint entrance examination (JEE mains)
2. Joint entrance examination (JEE advance),



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3. Birla Institute of Technology and Science Admission Test (BITSAT),
4. Vellore Institute of Technology Engineering Entrance Exam (VITEEE),
5. Maharashtra Common Entrance Test (MH-CET)

Benefits for attempting Exam

- Attempting RAT will boost your confidence level
- It will help you in knowing your weaker and strong sections simultaneously
- Increasing questions attempting speed
- Your estimated all India rank
- Knowing exact exam pattern and marking criteria in advance

Syllabus and Pattern for RAT

1. Joint entrance examination (JEE mains)

Subjects	Number of Questions	Syllabus
Physics	20	<ol style="list-style-type: none">1. Physics and Measurement2. Kinematics3. Laws of Motion4. Magnetic effect of Current and Magnetism5. Work Energy & Power6. Electrostatics7. Optics8. Thermodynamics
Chemistry	20	<ol style="list-style-type: none">1. Atomic Structure2. Solutions3. Some Basic Principles Of Organic Chemistry4. Coordination Compounds5. Organic Compounds Containing Oxygen6. Solid State7. Chemical Thermodynamics8. s-block Elements9. Redox Reactions10. Hydrocarbons
Mathematics	20	<ol style="list-style-type: none">1. Sets, Relations and Functions



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		<ol style="list-style-type: none">2. Complex Numbers3. Quadratic Equations4. Sequences and Series5. Permutation and Combination6. Binomial Theorem7. Probability8. Limits And Continuity9. Straight Lines10. Circles11. Conic Sections12. Trigonometry
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2. Joint entrance examination (JEE advance)

Subjects	Number of Questions	Syllabus
Physics	20	<ol style="list-style-type: none">1. Units, Dimensions & Errors2. Laws of Motion3. Rotation4. Center of Mass, Impulse and Momentum5. Work, Power & Energy6. Simple Harmonic Motion7. Wave Optics8. Ray Optics9. Wave Motion10. Heat & Thermodynamics
Chemistry	20	<ol style="list-style-type: none">1. Atomic Structure2. Some Basic Concepts In Chemistry3. Chemical Bonding And Molecular Structure4. Chemical Thermodynamics5. Equilibrium6. Redox Reactions and Electrochemistry7. Some Basic Principles Of Organic Chemistry8. Classification Of Elements And Periodicity In Properties9. S-Block Elements (Alkali and Alkaline Earth Metals)10. p-block Elements



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Mathematics	20	<ol style="list-style-type: none">1. Relations and Functions2. Complex Numbers3. Quadratic Equations4. Sequences and Series5. Probability6. Limits and Continuity7. Straight Lines8. Circles9. Conic section
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3. Birla Institute of Technology and Science Admission Test (BITSAT)

Subjects	Number of Questions	Syllabus
Physics	17	<ol style="list-style-type: none">1. Kinematics2. Mechanics of Solids and Fluids3. Gravitation4. Rotational Motion5. Work, Power & Energy6. Oscillations7. Optics8. Magnetic effect of Current and Magnetism9. Heat & Thermodynamics
Chemistry	15	<ol style="list-style-type: none">1. Atomic Structure2. Some Basic Concepts Of Chemistry3. Chemical Bonding And Molecular Structure4. Chemical Thermodynamics5. Equilibrium6. General Organic Chemistry7. Coordination Compounds8. Hydrogen and S-block elements9. p-block Elements
Mathematics	15	<ol style="list-style-type: none">1. Sets, Relations and Functions2. Complex Numbers3. Theory of Quadratic equations4. Permutation and Combination5. Binomial Theorem



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		<ol style="list-style-type: none">6. Probability7. Limits, Continuity and Differentiability8. Straight Lines9. Circles10. Trigonometry
English	10	<ol style="list-style-type: none">1. Synonyms and Antonyms2. Grammar3. Reading Comprehension4. One Word Substitution5. Composition
Logical	5	<ol style="list-style-type: none">1. Analogy Test2. Classification test3. Series Completion4. Rule Detection5. Paper Cutting

4. Vellore Institute of Technology Engineering Entrance Exam (VITEEE)

Subjects	Number of Questions	Syllabus
Physics	20	<ol style="list-style-type: none">1. Magnetic effect of Current and Magnetism2. Semiconductor Devices And Their Applications3. Current Electricity4. Electrostatics5. Properties Of Matter6. Optics7. Properties Of Matter8. Dual Nature Of Radiation And Matter
Chemistry	20	<ol style="list-style-type: none">1. Carbonyl compounds2. Biomolecules3. Electrochemistry4. p-block Elements5. Coordination Compounds6. Alcohols and Ethers7. General Organic Chemistry8. Atomic Structure9. Redox Reactions



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		10. Chemical Kinetics 11. Organic Nitrogen compounds 12. Chemical Thermodynamics
Mathematics	20	1. Integral Calculus 2. Trigonometry 3. Probability Distributions 4. Vectors Algebra 5. Matrices Determinants 6. Differential Calculus 7. Complex Numbers 8. Limits and Continuity 9. Differential Equations 10. Analytical Geometry Of Three Dimensions 11. Analytical Geometry Of Two Dimensions 12. Inverse Trigonometry

5. Maharashtra Common Entrance Test (MH-CET)

Subjects	Number of Questions	Syllabus
Physics	20	1. Oscillations 2. Rotational Motion 3. Wave Motion 4. Electrostatics 5. Magnetic Effects of Electric current 6. EMI 7. Atoms, Molecules And Nuclei 8. Current Electricity
Chemistry	20	1. Coordination Compounds 2. Halogen Derivatives of Alkanes and Arenes 3. Solid State 4. Alcohol Phenol Ether 5. p-Block Elements - Group 15 To 18 6. Solutions And Colligative Properties 7. Polymers 8. Electrochemistry 9. d And f Block Elements



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		10. Chemical Kinetics
Mathematics	20	<ol style="list-style-type: none">1. Differentiation2. Integration3. Matrices4. Probability Distribution5. Applications of Derivatives6. Continuity7. Bernoulli Trials And Binomial Distribution8. Differential Equations9. Applications of Definite Integrals10. Statistics

Marking Criteria for RAT

Exams	Marks per correct answer	Marks per incorrect answer
JEE Mains	+4 marks	-1 marks
JEE Advance	+3 marks	-1 marks
BITSAT	+3 marks	-1 marks
VITEEE Engineering	+1 marks	No negative Marking
MHCET Engineering	+1 marks	No negative Marking

Dates of Examination

RAT 2016 is going to be scheduled in between 25th November to 27th November 2016

How to apply for RAT?



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Students who wish to get their estimated All India rank through Rank Assessment Test can give their exam by following given steps:

Step 1 : Do registration for Rank Assessment Test using your email id and fill up the required details

Step 2 : Pay the amount for an exam. You can select more than one exam at a time for giving Rank Assessment Test.

Step 3 : Give test by doing login on website at any time between “25th November 9 am” to “27th November 11:59 pm”

Once you submit your test, you won't be able to do any edit in your answers.

Fees for RAT

Students who want to apply for RAT 2016 exam, needs to pay Rs.200/- per exam through online using any bank's Debit card/ Credit card/ Net banking/ NEFT/ through cash transaction by visiting any branch of ICICI Bank.

*Simplylearnt is offering FREE tickets for RAT to our students through various contests. Do registration for Prep Quest for further details.

Results Declaration for RAT

Simplylearnt announces ranks for appearing students on 29th November 2016 and will declare prices accordingly.



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