



**RENAISSANCE  
ACADEMY**

Powered by

**ABC** **Classes**

# Our Formula for Assured Success



Best Study Material



Best Faculty



Best Technique



Best Results



**IIT-JEE/NEET 2020**  
(2 Year Program)

**JEE Advanced+JEE Main+**  
**Std. XI & XII**



## ✓ ICON/MEDICON

### What is ICON & MEDICON?

ICON & MEDICON is an innovative program started in Renaissance Academy for students of class XI and XII. In this program student prepare for competitive examinations integrated with school curriculum in school only. This is a program which will help you to achieve probably the best in everything that a student can aspire for. Best possible performance in JEE (Main & Advanced)/NEET and in board exams both & developing thorough and healthy personality with all the inputs required for constant success in the world. With this program we try to move towards Ideal School Education.

This program is divided in two parts :-

- 1. ICON** : It is for students who have opted for mathematics and aspiring to be an IITian.
- 2. MEDICON** : It is for students who have opted for Biology as optional subject and aspiring to be a Doctor.

### What is need for launching new batches like ICON & MEDICON?

In the present day scenario, to secure admission to the IITs/NITs/local engineering colleges, AIIMS/NEET, students need to excel at Engineering Entrance Exams like JEE Advanced, JEE Main and NEET/AIIMS but at the same time students cannot ignore Std. XII as it is the base for all Engineering & Medical Entrance Exams.

Thus students have to prepare well for Std.XI, XII and Engineering Entrance Exams. Preparing for two different exams puts tremendous pressure on students. Students get torn between their school schedule and their coaching classes, and they are left with hardly any time for self study.

Therefore an integrated approach where Engineering/Medical Entrance and Std. XI, XII teaching is synchronised is the need of the hour.



## Our Structured Teaching-Learning Technique

### Logic 1 Behind ICON & MEDICON concept

**Time Management of a student is nearly impossible without this concept because there are not 30 hours in a day.**

Let us look at the current scenario by taking the following illustration:

Total time available in a day	24 Hrs.
Time required for sleep	7 Hrs.
Exercise etc.	1/2 Hrs.
Relaxation	1/2 Hrs.
Daily routine e.g. meals, bath etc.	2 Hrs.
Time spent in school	6 Hrs.
Time required for self study and school assignments	2 Hrs.
Time spent at coaching institute	4 Hrs.
Time required for self-study for competitive preparation	6 Hrs.
Travel time for school and institute	2 Hrs.
<b>Total time required in a day</b>	<b>30 Hrs.</b>

The above illustration clearly indicates an impossible situation. He has no time left for self studies. As a result, student is under immense stress because this scenario leaves absolutely minimum time for self studies, leave aside time for other things like co-curricular activities, sports, social activities etc which are so important for his / her personality development.

### Logic 2 Behind ICON & MEDICON concept

**A student has everything duplicate- two sets of teachers, for each subject two different books and notes for each subject & also the timings their schedule are different.**

Due to lack of synergy between school studies and institute, the student comes under immense pressure from both. It happens that he / she will be studying two different topics of the same subject on the same day. He / she will not be able to give total optimal time for a topic. This leads to ineffective grounding of concepts and does not allow him / her to perform optimally in both IIT-JEE / NEET as well as Boards.

### Logic 3 Behind ICON & MEDICON concept

**Difference of Approach school emphasizes on board and institute emphasizes on IIT-JEE/NEET.**


In general school priority is to get good results in Boards and the institute's priority is that the student should perform well in IIT-JEE / NEET. Both create a pressure on the student to set his priority as what they want. This creates confusion in the student's minds. Parents also add to this as they are not certain about IIT-JEE /NEET and therefore tell the student to make sure that Board performance is good for a backup.

## BOARD EXAMS Vs JEE/NEET

### 1. Are Syllabus of JEE / NEET and boards different?

Actually the JEE/ NEET and +2 CBSE syllabus are almost same. In fact some topics of boards are not in JEE/NEET syllabus but all topics of JEE/NEET are in board syllabus. Only thing is that you need to have in depth knowledge of each topic to crack JEE / NEET.

### 2. Are Board exams & competitive exams two different preparations and have they different strategies?



Difference between Board Exams & Competitive Exams	
Board / school Exam	Competitive Exams
Mostly Information based	Mostly Applications based
Subjective Paper	Objective Paper
Writing skills important	Writing skill not important
Questions based on set pattern	Question pattern not Defined
Absolute Performance	Relative Performance

### 3. Is it not better to prepare for JEE/NEET after class XII ?

It is always advisable to start preparation for any exam much in an advance so that you can give yourself enough time to get used to the syllabus and the exam pattern as well. IIT-JEE / NEET are tough exams to crack therefore all experts and advisers will also suggest you to start preparing for it right from class XI itself. It is very important to strike the right balance and give equal attention to board exam and entrance exam. Remember that you will only get back to back two chances to crack this exam. But try to get in the first year itself as otherwise pressure will keep mounting.

### 4. Should I need to know shortcut tricks to qualify JEE/NEET ? Also should we have Rote-Learning for Boards?

Some people suggest that since JEE /NEET are objective examinations, so you need to know shortcut tricks instead of fundamentals. It is completely wrong. Actually you need to have strong fundamentals and deep understanding of the topic to crack JEE / NEET. For boards you need to have basic knowledge of each topic. However to prepare well for boards, you also should do writing practice for long answer type questions.





## Our Structured Teaching-Learning Technique

### 5. Can I get better result if I go to KOTA?

Every year, Kota produces successful results in JEE/ NEET. But the interesting thing is the ratio of students clearing JEE advanced/NEET to the total number of students competing in Kota. **The number of students who clear IIT JEE from Kota in a given year, are not even 1% of the total students in Kota who prepare for the exam.** The competition is tough. Don't be in a fallacy that going to Kota and by taking coaching from a bigger institute will assure you a seat in IIT. Your hard work and commitment level is more important.

### 6. What are Benefits for the student after joining ICON or MEDICON programme?

- Student get adequate time for self study.
- Student will do effective Learning.
- Will not be trapped in clash of Priorities because ICON/MEDICON eliminates the opposite pressure forces on the Student.

### 7. What are more benefits of ICON/MEDICON ?

- Students enrolling in this program will have an integrated study plan.
- ICON/MEDICON will prepare Students extremely well not only for Board Exams but also for NEET / JEE Advanced, JEE Main, Other Engineering Entrance Exams as well.
- Entire course coverage in 8 Parts (Class XI - 4 Parts and Class XII - 4 Parts) in line with school curriculum.
- Each Part is completed with Part Tests (based on JEE/ NEET pattern). Part Tests are followed by Test Analysis Sessions.
- Study materials of ICON/MEDICON are completely mapped with textbooks. These materials are of slightly higher level than textbooks of respective classes.
- Teaching methodology of ICON/MEDICON is developed to teach school textbooks and competitive materials simultaneously instead of separately.



# FAQs

Frequently Asked Questions



- Q.** Will Preparation for IIT-JEE also help for other Engineering Entrance Like the JEE Main AIIMS/NEET, BIT-SAT & VIT ?
- A.** As is well known, the NT JEE is one of the most difficult entrance examinations held in the country.  
The syllabus of JEE Main is similar to that of IIT-JEE. Also, the syllabus of UPTU is exactly identical to that of the Std. XII Board Exam. As mentioned earlier, the NT JEE also covers the syllabus of Std. XII.  
Therefore, our 2 Year Program IIT-JEE will not only help our students to tackle the IIT-JEE successfully, but will also help them to prepare better and more effectively for other All India Level Engineering Entrance Exams like the JEE Main and BITSAT.
- Q.** Which Board should one select?
- A.** We strongly recommend the CBSE Board since the JEE Main is based on the CBSE Board Syllabus.
- Q.** Will my child be able to cope up with ICON or MEDICON Course?
- A.** Please appear for our ICON-SAT or MEDICON-SAT Test. Based on the score obtained, our counselor will be able to advise.
- Q.** What happens if after some time, the student feels that he cannot cope up with the JEE?
- A.** We are the only Institute which allows the student to transfer to our XI+XII course.
- Q.** What if students have doubts after the lecture?
- A.** Our faculty always waits after the lecture to solve the doubts. Also, as part of our Pedagogy, we have built-in-Doubt Solving sessions after the completion of every topic.
- Q.** What if my child misses the lecture?
- A.** Video Lectures of Physics, Chemistry, Mathematics & Bio are available in our video lab. Every student is provided with user id & password to avail this facility.
- Q.** Does the student connect with teachers?
- A.** Our Faculty is very friendly and approachable.
- Q.** Which are the most sought after Engineering branches?
- A.** All branches are good. It really depends on the child's interest. Over the past few years Computers, IT & Electronics, Tele-communication & Mechanical have been the preferred choice amongst students.
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## What is teaching technique in ICON/MEDICON ?

We at Renaissance believe that if students are guided by right people in right direction with proper frame of mind, he can excel in boards as well as competitions. In ICON/MEDICON School studies and IIT-JEE studies are not only synchronized but merged into one only. Here, we follow well structured and monitored teaching methodology as under :

- Step 1 : Regular lecture classes are delivered by our most senior faculty members to develop student's fundamentals understanding of each concept.
- Step 2 : Followed by answer writing practice for subjective questions of board.
- Step 3 : Followed by experiments connected with the topic in our fully equipped and structured labs.
- Step 4 : Then teaching level is scaled up for deep knowledge and problem solving skills as per needs of JEE & NEET.
- Step 5 : After that Sheet discussion classes are conducted for discussion of exercise sheets, question banks & assignments to clarify the doubts to the grass root level to ensure complete preparation in all respect.
- Step 6 : followed by board preparatory tests, JEE Main / NEET tests and JEE advanced tests at regular Interval.
- Step 7 : Revision classes for Boards
- Step 8 : Rank Improvement sessions for JEE / NEET.



### Synchronized Learning System

The training for Std. XI, XII and Engineering/Medical Entrance Exam is synchronised in our Integrated Program. As result, students can focus on getting their fundamentals and concepts cleared right from the beginning, rather than rushing through topics without really understanding them.

### Focused peer group

Being with a group of friends who are equally focused about their studies is very important in Std. XI and XII. Students will be in the company of such focused study groups in our Integrated Program.

### Time for Self Study

Since the syllabus will be covered by ABC Classes alone, there will be no duplication and waste of time, which would otherwise happen in a regular school. Thus students will get sufficient time for self study.

### Guided Self Study Sessions

Since the students have to prepare for multiple exams, it is important that they have a holistic study plan encompassing all the exams. Our Guided Self Study Sessions (CSS), help students to make such a structured study plan. During the GSS sessions, students are also given time for self study under the guidance of a faculty member. Weekly tests are conducted to ensure that learning takes place on a regular basis



Our course will prepare students for all the following exams:

## **JEE (Main + Advanced, NEET/AIIMS)**

Preparing for the JEE (Main+Advanced) requires an altogether different orientation and approach towards studies. Over the years the pattern of the JEE has changed, but its basic objective of testing the bare bone fundamentals of the students, remains unchanged overtime.

Keeping the above pattern in mind, our Program has been designed in such a manner, that it will focus on:

- **Building Core Concepts & Fundamentals**
- **Sharpening critical thinking, logical reasoning and comprehension skills**
- **Building an inter-disciplinary approach**
- **Speed building techniques**

The design and conduct is such that the students acquire a grip and feel of the JEE.

## **Std. XI, XII Exam**

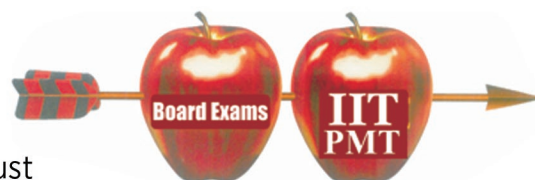
The syllabus of JEE comprises of the syllabus of Std. XI, Std. XII and a few topics of higher level. Thus a student preparing for JEE, automatically gets prepared for Std. XII Board exam. However, the testing patterns of JEE and Std. XII differ. The JEE will check the conceptual understanding and the aptitude of the student. On the other hand, the Std. XII exam is a subjective exam which lays emphasis not only on the subject understanding but also on paper writing and presentation skills. Students will be trained for Std. XI, Std. XII exam.

Students will be put through rigorous paper solving sessions which will help them to-

- **Perfect Theory**
- **Master the Problems**
- **Improve paper presentation**

Students will also be given exhaustive study material and Test Series for Std. XII 2018 for all subjects.

Thus our Program will ensure that students crack not just the JEE (Main+Advanced), MHT-CET but also excel at the Std.XII Board Exam.



## **BITSAT**

Students will be provided 10 online Mock Test Papers with performance evaluation for BITSAT 2020.





## Our Structured Teaching-Learning Technique

### What is class schedule for ICON/MEDICON?

We do not conduct separate classes for ICON/MEDICON. However, school hour is extended till 4.00 pm i.e. 8 hours a day and 5 days a week. Two days off in a week relieves a student from stress created by exhaustive teaching in five days. It eases out the pressure of time (or the feeling for the lack of it) for the Student, unlocking lots of extra time, giving enough time for self-studies, which a Student would not have got otherwise and also giving him/her sufficient time for co-curricular activities, sports, social activities etc. which are so important for his / her personality development.

### Tell me about study material of ICON/MEDICON ?

Study materials of ICON/MEDICON are highly systematic, comprehensive and completely mapped with NCERT textbooks. Each booklet consists of detailed theory, followed by many exercises of different difficulty levels. The level of questions in sheet is scientifically arranged to enhance student performance & confidence to the highest level. At the same time, it has been our endeavor that students don't waste any time working on problems which are not relevant. However, it is designed to ensure that students become comfortable with the pattern by the time they face the real examination. Teaching methodology of ICON/MEDICON is developed to teach school textbooks and ICON/MEDICON booklets simultaneously instead of separately.

### Research based Study Material

Our dedicated team of subject experts, develop the best of study material, based on a continuous research and analysis of the past JEE Main, JEE Advanced and BITSAT Papers. Our study material provides:

- **Basic concepts and their real significance**
- **Precise notes**
- **Problems including all the past papers and several more similar questions patterned closely after them.**
- **Answers of all the se questions and detailed solutions of several typical ones.**

### Material which will be given to the students

#### Complete study material of JEE Main + Advanced-

- Topic wise booklet will given on each topic.
- Complete study material of Std. XI + XII (PCM of all boards).
- Home based test series of 10 papers for all the competitive exams like JEE Main, Advanced and BIT SAT.
- Question Bank which comprises of 2400 challenging problems with solution.
- Compendium with all key formulae in Physics, Chemistry and Mathematics and memory tips for revision.
- A Special Module on short cut methods.



## Tell me about test system in ICON/MEDICON.

Tests and discussions are very important in your journey to final exam. It helps in

- Assessment of preparation
- Getting feel of how the exam can be.
- Revision
- Understand the paper style
- Boosts self-evaluation and competitive spirit
- Gauge the weak performance areas
- Time management

A consistent approach on taking tests before the final exam and reviewing the performance in each of the test is bound to build discipline and give promising results.

**In ICON/MEDICON, we follow strictly structured test plan consisting of**

1. Chapter Tests
2. Academic Part Tests
3. JEE Main / NEET part tests
4. JEE advanced part tests
5. Board Preparatory Tests
6. JEE Main / NEET Revision Tests
7. JEE Advanced Simulation Tests
8. NEET Simulation Tests
9. Pre boards



## Test & Performance Analysis

### A) Students' Testing

During the course, we will be conducting several tests

1. Weekly Tests -Every Sunday based on the portion covered in the previous week.
2. Topic wise Tests - Last Sunday of every month based on topics covered in that month, exactly on the lines of final JEE Main and JEE Advanced Exams, based on syllabus covered till that time.
3. Full Length Tests-These are full syllabus tests, conducted after the portion completion.

Number of Full Length Tests conducted during the 2 year program:

Examination	No. of Tests
JEE Main	25
JEE Advanced	25
Std.XII	20
BITSAT	10

300 Online test on each topic are provided on ABC Classes portal.

Model Solutions to all the Test Papers and Mock IIT JEE Exam Papers are provided immediately after the respective exams. Our experienced faculty helps students identify their weaknesses and guide them to overcome them.



# Our Structured Teaching-Learning Technique

## B) Detailed Performance Analysis

The detailed student Performance Report is discussed with parents periodically during parents meeting. It is also available online on our website [www.abc.education](http://www.abc.education).

Some of the parameters on which students' performance is analysed are :

- **Subject Analysis** : This gives students a break-up of his /her performance in each subject.
- **Comparison with Toppers** : This helps students to compare themselves against Toppers in each subject.
- **Topic-wise Analysis for each subject** : This drills down students' performance in Physics, Chemistry & Maths.
- **Difficulty Level Analysis** : This gives a break-up of students' performance based on difficulty level of questions.
- **Negative Mark Analysis** : This gives break-up of where students have scored negative marks. This helps them to recognise their mistakes and improve accuracy.

## Motivational Lectures

The IITJEE is a challenging exam, preparing for which, requires systematic hard work and a positive frame of mind. We therefore, conduct a series of activities to encourage, support and guide our students through this entire two year period. Some of these activities include-

- Motivational Lectures which inspire the students to keep working with renewed vigour and zest
- Mentoring Programs which help students to prepare a study plan according to their individual aptitude
- Interaction with our toppers which provides students with an opportunity to meet our ex-students (who are studying at the various IITs) and get invaluable tips on how to plan and study.

## Parent Interaction Program

- (a) Parent Enrichment Program (Schedule is printed in Activity Calendar)  
Preparing for JEE (Main + Advanced) is no doubt a daunting task for students. This is also the time when students are on the threshold of blossoming into young adults, who have their own thoughts and ideas.

Parents need to deal with these changes in their children's lives and provide them with a supportive environment which is conducive to their overall well-being and studies. To assist the parents in fulfilling this role successfully, we conduct parent enrichment programs.

- (b) Parents Meetings  
Parents Meetings are conducted periodically to discuss the academic performance of their ward. These meetings provide the parents with a platform to
- Interact with the faculty
  - Seek help in creating individual study plans for their ward
  - Be in the know of all the activities that are being conducted for students

Every Child is  
**Special** for us.



There is no end to education. It is not that you read a book, pass an examination, and finish with education. The whole of life, from the moment you are born to the moment you die, is a process of learning.

(Jiddu Krishnamurti)