



SUCCESS PLANNER *for* FOUNDATION

Exam Pattern

Trend

Strategy

Success Mantra

PREFACE

Education can be a life-changing point in every child's life. The stream and career that is to be chosen in high school and later in life need a strong foundation base at a primary and secondary level. A foundation is an early staple for aspirants who are not only preparing for the Foundation examinations but have far-reaching goals of other competitive examinations ahead of them. With several years in the field of education, Disha publication has been working at various levels to be the one-stop solution for quality education. In this book, we intend to form a strong base for any future competitive exam candidate and help them recapitulate the latest pattern and syllabus. This book also mentions the study techniques and preparation tips for students with illustrative examples added for better understanding and to ensure they build up their skills in a motivated manner.

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Need for the IIT Foundation Program

In India, millions of students prefer engineering as a career choice compared to other choices such as degree, medicine, law etc. IIT's, being the technological hubs, continue to attract the attention of students across India.

Every year more than one million aspirants fight for admission to IITs. Out of which, less than 10,000 students will secure the admission. The success rate of IIT-JEE is less than 1%, making it one of the toughest exams in the world. Most of the students are starting the IIT-JEE test preparation from a young age to beat all competition.

Academic experts point out that molding the students from a young age is necessary to achieve their academic goals. It means that students are well-prepared and focused on their career goals right from the beginning. But it leaves them with little room to make a choice.

The IIT Foundation Program will aid students to understand the basic concepts with more clarity. It encourages students to attempt various competitive examinations from an early age. It gives the confidence and courage to perform under time pressure.



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What is IIT JEE Foundation?

IIT JEE foundation is a starting point (building block) for JEE aspirants in class 8, 9 and 10. Sometimes also called as "IIT JEE Launching Programs", the foundation course helps aspirants become mentally and strategically strong when they start studying IIT JEE concepts and topics, ideally from class 11 onwards. The objective of the IIT JEE foundation course is to teach students basic concepts well, efficient time management habits, following a disciplined schedule, improving thinking skills, etc.

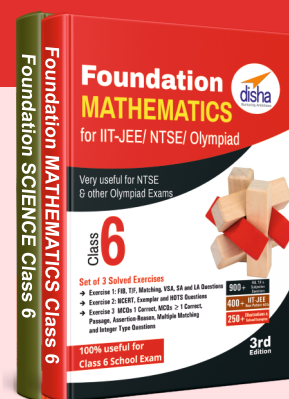
The key is, if you don't understand any topic, don't leave it. Get your doubts cleared from your teachers; do not keep them pending and piling up. Learning to be inquisitive and visualising concepts is often called "IIT Foundation".

BUILD A STRONG FOUNDATION for IIT-JEE/ NEET

The books (Science & Mathematics) provide key Concepts followed by Multiple Choice Questions in the same format as NEET & JEE.

- Straight MCQs having one correct option
- MCQs with more than one correct answer
- Assertion-Reason type MCQs
- Matching based MCQs
- Passage based MCQs
- Integer based MCQs
- Diagram based MCQs

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What are the benefits of the IIT JEE Foundation Course?

Advantages of IIT JEE (JEE Main and JEE Advanced) Foundation Course

- A foundation course is helpful. The study method and approach will help you in building a good base for IIT JEE preparation.
- When you start preparing early for JEE, like in class 8, 9 or 10, you will always be ahead of your competition, who are planning to prepare for JEE and not executing it. You will be taught about some very basic concepts of important JEE topics which will help you to understand everything in a better way in class 11 and 12.
- You will learn the value of self-realisation. When you are aware of your objective and goals, early in life, and start working to achieve it, half the battle is won.
- The teachers will give you the right direction, guidance & support which helps in developing required skills quite early. Foundation courses (generally from class 8–10) help in the development of your IQ, Logical and Analytical Thinking. The aspirants who join them, their basic concepts would be pretty strong.
- You will also get prepared for JSTSE, NTSE and various Olympiads through the foundation course.

When to join a foundation course for IIT JEE?

We recommend early, but not before class 8. It's fine to join in class 8, 9 or 10. From class 11, you will be taught as per JEE syllabus, so a strong foundation in previous classes will help you immensely in understanding concepts, study methods and problem solving strategies.

The foundation course module will cover the entire topics of Maths and Science, class 10, 9 or 8, whenever you

start, which helps students to score good marks in school boards and lays a strong foundation for JEE Main and JEE Advanced by providing basic and some advanced level of questions and concepts, so that they will not face any problem in their preparations in class 11 and 12.

I think they are bull. Plain and simple.

By that logic, why enroll them into IIT foundational courses, why not enroll for IIM courses too because eventually everyone after IIT tries for IIMs and wishes to get into one.

I can understand fascination with IIT and given the importance of it, any fascination could be considered worth it. But these initiatives are absurd. It is putting too much pressure on the child, orienting them for only one direction. New and Young India will have ample opportunities to be tried outside the normal realm that existed in our father's or forefather's age. Children's life should not be sacrificed for the ego-boost of parent's.

That's just the heart part. I think IIT-JEE is also about how good you are at learning your lessons by being attentive in class and being interested in them by asking follow up questions. These skills are meant to be exercised to hone your knowledge within a reasonable time. It is definitely not acceptable at IITs too that you take 8 yrs to finish a degree which can be done in 4 yrs. Such kinds of foundation courses would actually prepare someone for mediocrity with a mindset that getting into a hallowed portal is all that matters. Yes devoting yourself to perfection in something matters, but it would be sad if that something is just an institution.

I would love it if you put children into classes solving just maths problems, to arouse their interest. Maybe tell them a few tricks of rapid calculations, they could practice and impress the elders. That's what is going to drive them towards maths. Send them for mock science projects class (if there is any). Let them try out building robotic models using Lego sets (this is not easy mind you, just because you get ready made toys means that this is easy to assemble is naivety). This is going to open their minds to wonders and joys of science and maths and then you hope that when the time comes, they would practice with passion and learn and display the skills to get into an IIT.

I am not sure what these courses compose of since kids in 5th or 6th class would just be learning algebra, geometry etc. Hastening someone through lessons in these basics may impact some regular tricks but those are just that, tricks and not solid fundamentals. An average mind derives tricks out of fundamentals. So you have a good grasp on circles' concepts and if you are asked to draw a random pattern of circles, you need not always know it. You understand how the circle works and apply that to draw these.

I don't hear of such courses in North India (pls correct me if I am wrong) where I stay and know lots of my school going younger cousins so don't know anyone who's been through this ordeal hence don't know from first hand information how such courses impact anyone's childhood. However I am quite sure, this takes away joys of childhood, inventiveness that this phase of life exudes. Don't let them be a lab rat. Rather this is a time to stimulate their minds in different fields, science, maths, music, sports, literature. Without this balance a top notch mind from IIT too would be not much appreciated in his/her after graduation years.

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Excellence is a journey not a destination. You can't gift anyone a Ferrari ride to that destination.

P.S.: I am modeling the answer on getting into IIT (although even getting into an IIT shouldn't be a big deal) and with the intention the writer intends to propel the child in the science and maths space.

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Are you an IIT aspirant studying in class VII to class X? There is an increasing amount of competition among the students of today's age. As a result, students should have to choose wisely from a range of options available to them. No matter what field they are aspiring to get into there is always the option of joining the IIT Foundation Courses. To help nurture a student and teach them the fundamentals concepts which are a great foundation to when they aim to crack the IIT-JEE or NEET or any other competitive exam they want.

The goal of these courses is to ensure that students are able to indulge in more than just their educational syllabi. It gives a fundamental understanding of subjects such as mathematics, physics and chemistry. It uplifts a student's thinking ability and challenges them to new obstacles. Making them more capable to conquer any entrance exam.

Most students enroll in the classes during their school days itself. The admission criteria into any of the leading engineering/medical colleges are based on grades secured in class XII. As well as, the rank secured in the respective entrance exam.

Students have limited chances to crack these entrance tests.

- first, while the completion of your XII board exams
- second, is in the following year.

It is almost imperative that students start coaching from grade VII and the IIT Foundation program provides a great start to the preparation. The structure of these foundation programs is designed in such a way that suits different student needs. For a better understanding of these foundation courses and their advantages check out the following.

Strengthening thought process:

Foundation program helps in expanding a student's thought process by encouraging them to think outside the box. While dealing with a number of exercises in class. This gives an in-depth Analysis and trains students to deal with the stress factor of any entrance exam.

Added advantage and competitive edge:

It gives a great platform to launch a candidate's preparation for the entrance exam and gives them a competitive edge from the rest.

Fills the gap between academic pattern and entrance exam pattern:

A lot of times school curriculum focuses more on the concepts rather than the application of those concepts to derive those results. But, in the IIT-JEE exams most of the questions that students are tested on are application based. That being said, the coaching bridges the gap between what the school examination pattern offers and what entrance examinations pattern offer.

Lays the foundation for other competitive exams:

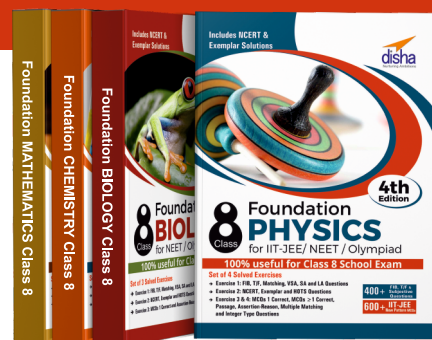
One of the most important aspects of the IIT coaching program is the classes prepare you for any kind of entrance exam and not just the IIT-JEE entrance. The IIT exam follows a similar pattern like other entrance exams in the country. This tests a candidate's application and analytical knowledge.

The IIT coaching program gives students a better understanding of the fundamentals that were taught in grade VIII and above. They keep the school's curriculum as a base. Also, enhancing the skills further to give complete understanding. It also magnifies the students IQ and EQ by giving an all-around preparation.

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IIT JEE Exam is one of the toughest exams of India. Right strategy and the right path are very important to crack this exam. If you want to crack this exam not only awareness about this exam but a whole different approach is needed from the early stage of education.

Most of the students at the early stage of education (8th to 10th standard) are busy trying to figure the ways to excel in studies. Some of them get confused excelling in studies with marks. For getting good marks they simply mug up the formulas and definitions and perform a word vomit in examination. Although they even score good marks and their parents will be proud of them but the question arises:

Are they learning anything?

Will their thinking ability increase by these sorts of acts?

Will they be able to crack the IIT JEE Exam?

Just mugging up the formulas and definitions may get you good marks but they will not help in improving your thinking ability. Mostly in school exams those questions come in paper that the teacher has taught in the class. They did not frame application oriented questions and so students lag in thinking ability.

NTA to conduct NEET/JEE Main twice a year; how it will affect the current system? Know every detail

What is foundation Batch?

Many coaching institutes in India have started foundation batches recently. This programme is for the students who are in class 8th/ 9th/ 10th. They lay emphasis on the basic concepts in Science and Mathematics required for the IIT JEE Exam.

They ensure that students build a strong base in the subjects by supplementing and expanding upon the knowledge acquired in school. They take daily and weekly tests in which questions are framed in such a manner to check their conceptual knowledge.

Conceptual clarity makes the student strong in the subject and creates interest in the subject. So, the students do well in school as well as perform better in various competitive examinations such as NTSE, STSE and Olympiads.

Objective of Foundation Batch:

- To ensure that student does not mug up formulas and definition and get clear understanding of the subject
- To provide the right path for future entrance examinations e.g. IIT JEE, AIPMT etc.
- To prepare for various scholarship exams e.g. KVPY, NTSE, MTS, etc.
- To provide aptitude & mental ability exercises to the students
- To provide scientific reasoning behind many real life phenomena and emphasize on the use of the knowledge disseminated

Advantage of Foundation Batch:

- A major portion of 11th & 12th standard topics are introduced in the 8th, 9th and 10th standard. So instead of rote learning emphasis is given on the basic logic and scientific reasoning behind the topics
- The students who are aware of engineering entrance examinations and have joined foundation batches understand many of class 11th and 12th topics even before entering 11th and 12th standard.
- In foundation batches a healthy competition is induced so they tend to put in more and more efforts. And when the time comes they are ready to give their 100%.
- In foundation batches students also prepare for various scholarship exams e.g. KVPY, NTSE, MTS, etc. so their mind gets stimulated and they excel in the field of engineering or medical.
- Since the concepts of foundation batch students are clear, they do much better throughout 11th and 12th exams.
- Foundation batch students also get early exposure towards competitive exams which helps them in improving their examination skills for other engineering and medical examinations down the line.

Conclusion: It is very necessary that a student aspiring for IIT JEE examination should join the foundation batch. It not only enhances his thinking ability but also exposes him to the competitive environment.

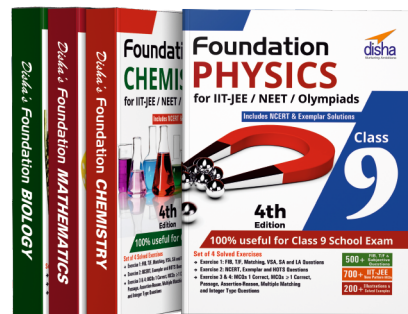
Why should one start preparing for IIT JEE class 8th onwards?

IIT's have always been the most elusive and ambitious dream of Indian students. However, the majority of coaching classes are proving that the 'early bird gets the worm' philosophy is definitely being lapped up by aspiring students to get a headstart over their entrance exam preparations.

BY QRIUS IIT

IIT is undeniably the dream of every aspiring engineer. The race of cracking the JEE advanced examination has become so fierce that students have started preparing for it, a little too early. From joining coaching institutions as early as in class 8th to studying left, right and centre, they do it all, just for that dream of studying in an IIT. Many highly-accredited coaching institutions have launched 'foundation programs' for students who wish to start early. Even parents, today are now getting their kids enrolled in foundation classes

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offered by the best IIT JEE coaching or getting them acquainted with intelligent digital platforms like Aakash iTutor. institutions. They believe that this practice would increase analytical thinking and problem-solving skills and would help them have a career plan in mind from an early age.

Here are a few reasons that support the benefits of beginning at a very young age. Take a look!

Less pressure, fresh mind

If a student starts preparing from 8th standard to crack JEE, there would be enough time for the aspirant to get acquainted with the subjects and the pattern of the examination. Also, early preparation would also make the student prepared for the class 11th examination well in advance. The importance is high because the change in syllabus of class 11th is drastic and students might face difficulties understanding it in the beginning.

Seriousness

When compared to students who are in standard 11th and 12th, the time the lower grade students have is a lot more. Why? Because, the syllabus is relatively easy as compared to higher grades. If a student starts preparing for competitive exams from class 8th by enrolling in any of the BEST IIT JEE COACHINGS, they would be easily able to create a great balance between school and coaching. If joining a coaching is not a possibility, a few hours over the weekends can be dedicated to studying for the IITs.

The time in hand

When compared to students who are in standard 11th and 12th, the time the lower grade students have is a lot more. Why? Because, the syllabus is relatively easy as compared to higher grades. If a student starts preparing for competitive exams from class 8th by enrolling in any of the BEST IIT JEE COACHINGS, they would be easily able to create a great balance between school and coaching. If joining a coaching is not a possibility, a few hours over the weekends can be dedicated to studying for the IITs.

Can take advantage of the “Foundation Programs”

Though self-study is an excellent way to understand things, the syllabus of IIT JEE is far above the understanding of a class 8th student. So, it is advisable to join any coaching institution that offers foundation programs for STUDENTS who wish to start early with their preparation to crack JEE advanced. Joining a coaching institution would help polish problem-solving power and ability to grasp and retain what is being taught.

The bottom line

It's good to give yourself a path and a vision from an early age, however, you should not force yourself to start preparing for IIT JEE if you are mentally not ready to take up the challenge and pressure. Have a proper discussion with your parents, related to the career you want to pursue and take the decision when both you and your parents are convinced with the idea. Also, keep in mind that you are not putting your studies at stake after taking the decision of getting enrolled into IIT JEE coaching at an early age.

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Getting the right foundation at the right stage is one of the most important factors for the success of any student in exams as well as in life. IIT Foundation courses are aimed at coaching students from Class VIII, IX or X, who aspire to sit for Engineering/Medical Entrance exams. Serious students aspiring for success in competitive examinations and a good rank in IIT understand the importance of starting early with their preparations. As the JEE becomes more competitive by the year, it is necessary to build a strong fundamentals base as early as possible.

The IITs have restricted the number of attempts for IIT-JEE. Students now only have two chances - one right after their class XII board exams and the second immediately in the following year. Also, the exam pattern has been changed in such a way, so as to favour students who are studying in school as well as preparing for the IIT-JEE. With the increase in competition and in keeping with the fact that only two chances are available, IT IS

NOW CRITICAL FOR STUDENTS TO BEGIN PREPARATIONS FROM CLASS 8. And, the one place they can get professional guidance on the same is the IIT Foundation courses.

IIT Foundation courses are designed to give serious students that extra advantage in terms of more time to gain better understanding of the concepts by the time they reach Class XI. They keep the school curriculum as base and further upgrade the learner's knowledge to meet the requirements of this competitive exam. They are also devised in a manner, so as to develop orientation as well as motivate students to excel in competitive exams. A good IIT Foundation course should provide students with a comprehensive understanding of the fundamental concepts, teach them the application of these concepts, and help them hone their problem-solving skills.

The objective of these courses is to ensure that students are able to delve beyond the restrictions of their regular school syllabi and get a fundamental understanding of subjects such as Mathematics, Physics and Chemistry. IIT Foundation courses are designed to kindle the students' interest in these subjects and encourage them to ask questions that lead to a firm grip on the principles governing each subject.

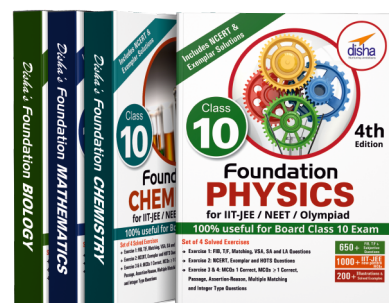
These courses also aim to gradually uplift the thinking ability of the students to a level where they can logically discover solutions to different problems on their own.

Advantages of IIT Foundation courses

- IIT Foundation courses give students more time to adapt to the quantum jump in the level of difficulty when they enter class XI, as there is more time for understanding and comprehension.
- Early starters will obviously have more time to learn at their own pace before the actual Board & Competitive Entrance Exam.
- They give students more time to work on their performance and self revision, thereby developing a temperament for tackling examinations calmly & removing any scope for last minute doubts. This is a very vital step in helping students achieve a quantum leap in their performance in such competitive examinations.
- IIT Foundation courses help students develop a logical approach towards Mathematics, Physics and Chemistry, thereby enabling effective learning.
- IIT Foundation courses not only help students gain better understanding of what is taught at regular school classes (and hence enable them to do well in board examinations), but also help in developing their acumen, resulting in a distinctive edge over their peers.

To summarize, irrespective of the field of study that the student may choose to take up later, it is imperative that he or she develops a sound understanding of subjects like Mathematics and Science, since they form the basis for most modern-day activities. IIT Foundation courses help students not only excel in IIT, but also in other competitive examinations such as SAT, Olympiads & KVPY by building a strong foundation, enhancing their IQ & analytical ability, while developing their parallel thinking processes from a very early stage.

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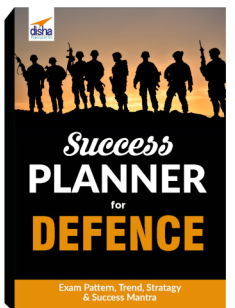
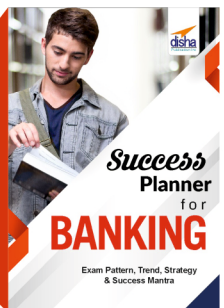
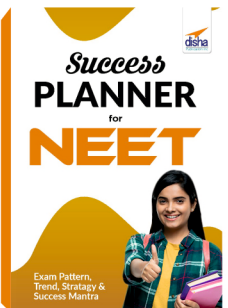
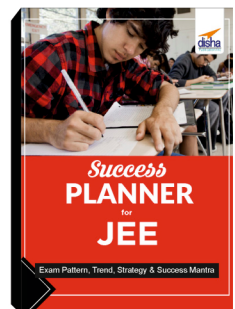
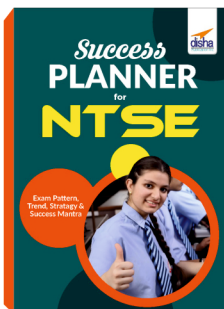
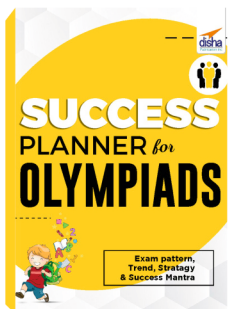
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The roots of
Education are bitter,
but the fruit is **Sweet.**

- Aristotle

