

A case study to Master JEE Mathematics

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You are Stronger than You think of yourself. Ability is what you are capable of doing .Motivation determines What you do. Attitude determines how well you do it.

We all study differently and all that anyone can ask of us is that we do the best that we can.

" Concentrate all your thoughts upon the work in hand. The sunrays do not burn until brought to a focus ".

Preface

What is wisdom?

A girl asked her mother what is wisdom? The mother showed a jar and enquired whether She would eat a cup of sugar. The girl was suprised " No"

" How about Eating Eggs or maida...etc.

The girl was more confused. The mother explained "But would you love to eat cake the final mixture of all the ingredients called Cake. ' Isn't it?

wisdom= Intelligence + knowledge+ Skill+ logic + experience. Individually all are essential but insignificant if not combined in correct proportion

Tips To Master Mathematics.

Developing interest towards math depend upon your industry in initial stages. Students fear maths. But it is an easy and interesting subject , once you understand basics. Be thorough in them .Without Comprehensive knowledge about fundamental, techniques, laws and theorems you can't expect to be good at math.

Mathematics is Cumulative Subject . Falling a day behind

puts you in confused position.

Never hesitate to ask Questions ' A little uncleared doubt now, leads to a huge roadblock in future.

There are 2 Steps in Mastering maths

- ***Perfectly practice problems*** (taking interest in solving various types of problems)
- ***Application of concept*** (Solving a Particular problem in different ways and apply Concept with basics)

1. *Understand the problem first*

2. *Devise a plan Apply your skill and techniques while working on equations draw nearest and correct route to answer .*

Reasoning is backbone of maths. Failure in not getting the correct solution teaches you how to look back to.

locate your mistake amend your equations and arrive at. correct solution .

Intelligence, Fun and Amusement

" A cat breaks two legs if it jump from 2 feet How many does it break by jumping from two and half feet . I asked a student who replied , " Two and half leg " . He is from an institution that taught him rapid mathematics. He is really good in multiplication and is able to multiply a 4 - digit number with 3-digit number within a minute. without understanding what the student is lacking. Student must trace out his phobias and fields of deficiency.

The concept of " Education with Entertainment " includes identifying the limitations through fun, Cheerfulness and amusement .

Wisdom Includes both memory and Intelligence.

" Mathematics is the peotry of logical ideas" Said Newton

Mathematics require active study.

Mathematics is not a spectator sport

You cannot learn Mathematics by just going to class and watching Sanjay sir's lecture and copying problems. In order to learn mathematics you must be actively involved in learning process .You've to take good set of notes. Do homework problems that are assigned in class.

If are actively involved in the process of learning mathematics both inside and outside of the classroom then you will not face any trouble in solving mathematics.

- you need to retain formula & concept in mind and how to use formula and Concept.*
- Some formula need to be remembered in order to correctly using them.*
- If you don't understand how the formula works and the principle behind it it can often be very difficult to use the formula*

General Tips for studying mathematics

- Be organised. Randomness leads to suprising and unfavourable outcomes*
- Read and follow directions given by me*
- Take Good sleep and be healthy*
- Go to class regularly*
- Get to class on time*
- Listen during class*
- Take Good notes*
- Ask relevant Questions*
- Listen when other ask Questions*
- Review notes After class on same day if possible*
- Write down explanatory Remarks.*
- Note Important Formulas & concepts.*
- Ask Good Questions. " Every difficult Question is not a good Question "*
- Note topics you don't understand*

- *make a set of index cards for important things.*
- *Learn proper Notations.*
- *Note due date of homework & Complete FIIT JEE Study material and relevant Study material on time.*
- *Budget adequate Time for studying & homework*
- *Do homework after each class.*
- *understand the purpose of homework.*
- *Follow PPP(Perfectly Practice Problems) study model.*
- *Don't forget your classroom FIITJEE study material.*
- *Seek help if you need it.*
- *Have proper attitude , Discipline & Respect faculties.*

ENHANCING PROBLEMS SOLVING SKILLS.

- *Read the problem completely by yourself.*
 - *If you didn't understand read problem again.*
 - *Recall the chapter name & concept to be used.*
 - *Note down What you are given and what is asked to find.*
 - *Devise a plan and starting solving.*
 - *minimize your steps to avoid silly error/mistakes.*
 - *work on similar problems.*
 - *check your solution.*
 - *solving problem till the last step and get Correct answer.*
- Follow proper time management. Initial stage of preparation time management will be difficult but later you have to include in your JEE preparation.*

Learn from Errors

- *understand the error*
- *Get help if needed*
- *Rushed error that is silly mistakes silly arithmetic or notional errors that slowdown you while solving problem mostly these errors occurs because Students are in a hurry and don't pay attention to what they are doing*

- *Repeated Errors*
- *make index Card to keep list Errors . Always Review the common Error*

Paradigm shift Deficiency '

Many students complain of lack of concentration . Lack of concentration is final effect. It initiates from 3 roots .

- *SRA (Sluggish Reflex Action)*
- *PAP (Problem Analysing Paucity)*
- *PSD (Paradigm Shift Deficiency)*

*Life is Beautiful live every moment , Discover Yourself.
and be happy*