



Nurturing  
young  
minds  
at an  
early age  
by IITians

## How to Implement IIT & Medical Foundation Course in your school ?

- Books
- Syllabus
- Assessment Exams
- Duration

Foundation modules  
for classes



**Term1:  
Science 1**



**Term1:  
Mathematics 1**



**Work booklet  
for Term 1**



**Reasoning  
(Term 1 + Term 2 + Term 3)**



**Term2:  
Science 2**



**Term2:  
Mathematics 2**



**Work booklet  
for Term 2**



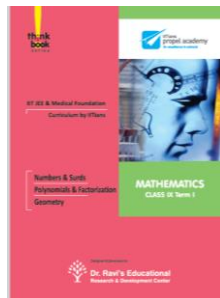
**7 Text Books + 3 Work Booklets**

**Total 7 Books for every class =  
3 Science + 3 Mathematics + 1 Reasoning  
+  
3 Work booklets**

**Term3:  
Science 3**



**Term3:  
Mathematics 3**



**Work booklet  
for Term 3**



## Syllabus

	Science	Mathematics	Reasoning
TERM – I	S1) Magnetism S2) Introduction to Chemistry S3) Matter	M1) Knowing our Numbers M2) Whole Numbers M3) Playing with Numbers	R1) Series completion R2) Coding and Decoding R3) Alphabet Test R4) Puzzle Test
TERM – II	S4) Motion S5) Electricity S6) Light	M4) Integers M5) Fractions M6) Ratios & Proportion	R5) Blood Relations R6) Analogy R7) Classification R8) Sequence of words
TERM – III	S7) Living & Non- living things S8) Forces S9) Plant & Animal life	M7) Lines and Angles M8) Mensuration M9) Basics of Algebra	R9) Non Verbal Series - I R10) Non Verbal Series - II R11) Non Verbal Series - III R12) Non Verbal Series - IV

Science Book1: S1+S2+S3  
Science Book2: S4+S5+S6  
Science Book3: S7+S8+S9

Mathematics Book1: M1+SM+M3  
Mathematics Book2: M4+M5+M6  
Mathematics Book3: M7+M8+M9

Reasoning: R1+R2+R3+  
R4+R5+R6+R7+R7+R8+  
R9+R10+R11+R12

3 Work booklets: Per chapter 2 worksheets in Science & Mathematics and  
per chapter 1 worksheet for Reasoning

So 18 worksheets for Science + 18 worksheets for Mathematics + 12 worksheets for Reasoning

Total 12 OMR Exams = 9CAE + 2 TAE +1GAT

Class VI	OMR based Chapter Assessment Exam (CAE)	OMR based TERM Assessment Exam (TAE)
TERM – I	CAE1: S1 + M1 + R1 CAE2: S2 + M2 + R2+R3 CAE3: S3 + M3 + R4  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(1-3) + Mathematics (1-3) + Reasoning(1-4)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM –II	CAE1: S4 + M4 + R5 CAE2: S5 + M5 + R6+R7 CAE3: S6 + M6 + R8  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(4-6) + Mathematics (4-6) + Reasoning(5-8)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM – III	CAE1: S7 + M7 + R9 CAE2: S8 + M8 + R10+R11 CAE3: S9 + M9 + R12  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	Overall Grand Assessment Test (entire syllabus) 60Q Science + 60 Q Mathematics + 60 Q Reasoning = 180 Q 3hrs duration

## Syllabus

	Science	Mathematics	Reasoning
TERM – I	S1) Light S2) Heat S3) Electric current	M1) Integers M2) Fractions & decimals M3) Rational numbers	R1) Series completion R2) Coding and Decoding R3) Alphabet Test R4) Puzzle Test
TERM –II	S4) Motion and Time S5) Physical & Chemical changes S6) Acids , Bases and Salts	M4) Lines and angles M5) Triangles & its properties M6) Commercial Mathematics	R5) Blood Relations R6) Analogy R7) Classification R8) Sequence of words
TERM – III	S7) Nutrition in plants & Animals S8) Reproduction S9) Transportation	M7) Algebra M8) Exponents & Powers M9) Mensuration	R9) Non Verbal Series - I R10) Non Verbal Series - II R11) Non Verbal Series - III R12) Non Verbal Series - IV

Science Book1: S1+S2+S3  
Science Book2: S4+S5+S6  
Science Book3: S7+S8+S9

Mathematics Book1: M1+SM+M3  
Mathematics Book2: M4+M5+M6  
Mathematics Book3: M7+M8+M9

Reasoning: R1+R2+R3+  
R4+R5+R6+R7+R7+R8+  
R9+R10+R11+R12

3 Work booklets: Per chapter 2 worksheets in Science & Mathematics and  
per chapter 1 worksheet for Reasoning

So 18 worksheets for Science + 18 worksheets for Mathematics + 12 worksheets for Reasoning

## Class VII: Total 12 OMR Exams = 9CAE + 2 TAE +1GAT

Class VII	OMR based Chapter Assessment Exam (CAE)	OMR based TERM Assessment Exam (TAE)
TERM – I	<p>CAE1: S1 + M1 + R1                      CAE2: S2 + M2 + R2+R3                      CAE3: S3 + M3 + R4</p> <p>35 Q Science + 35 Q Mathematics                      + 30 Reasoning = 100 Q                      2hrs duration</p>	<p>TAE 1: Science(1-3) + Mathematics (1-3) + Reasoning(1-4)</p> <p>50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q                      2.5 hrs duration</p>
TERM – II	<p>CAE1: S4 + M4 + R5                      CAE2: S5 + M5 + R6+R7                      CAE3: S6 + M6 + R8</p> <p>35 Q Science + 35 Q Mathematics                      + 30 Reasoning = 100 Q                      2hrs duration</p>	<p>TAE 1: Science(4-6) + Mathematics (4-6) + Reasoning(5-8)</p> <p>50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q                      2.5 hrs duration</p>
TERM – III	<p>CAE1: S7 + M7 + R1                      CAE2: S8 + M8 + R2+R3                      CAE3: S9 + M9 + R4</p> <p>35 Q Science + 35 Q Mathematics                      + 30 Reasoning = 100 Q                      2hrs duration</p>	<p>Overall Grand Assessment Test (entire syllabus)                      60Q Science + 60 Q Mathematics + 60 Q Reasoning = 180 Q                      3hrs duration</p>

## Syllabus

	Science	Mathematics	Reasoning
TERM – I	S1) Motion S2) Sound S3) Combustion and Flame	M1) Rational Numbers M2) Linear Equations & Algebra M3) Exponents & Powers	R1) Series completion R2) Coding and Decoding R3) Number Ranking R4) Operations R5) Seating Arrangement
TERM – II	S4) Metals and Non metals S5) Force & Pressure S6) Microorganisms	M4) Statistics M5) Commercial Mathematics M6) Square and Cube Roots	R6) Direction Sense R7) Clock Test R8) Cubes R9) Dices R10) Figure Partition
TERM – III	S7) Coal and Petroleum S8) Cell S9) Reproduction in Animals	M7) Geometry M8) Proportions & Factorization M9) Mensuration	R11) Dot Situation R12) Images R13) Pyramids R14) Non Verbal Series -I R15) Non Verbal Series -II R16) Non Verbal Series -III

Science Book1: S1+S2+S3  
Science Book2: S4+S5+S6  
Science Book3: S7+S8+S9

Mathematics Book1: M1+SM+M3  
Mathematics Book2: M4+M5+M6  
Mathematics Book3: M7+M8+M9

Reasoning: R1 to R16

3 Work booklets: Per chapter 2 worksheets in Science & Mathematics and  
per chapter 1 worksheet for Reasoning

So 18 worksheets for Science + 18 worksheets for Mathematics + 16 worksheets for Reasoning

## Class VIII: Total 12 OMR Exams = 9CAE + 2 TAE +1GAT

Class VIII	OMR based Chapter Assessment Exam (CAE)	OMR based TERM Assessment Exam (TAE)
TERM – I	CAE1: S1 + M1 + R1+R2 CAE2: S2 + M2 + R3+R4 CAE3: S3 + M3 + R5  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(1-3) + Mathematics (1-3) + Reasoning(1-4)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM –II	CAE1: S4 + M4 + R6+R7 CAE2: S5 + M5 + R8+R9 CAE3: S6 + M6 + R10  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(4-6) + Mathematics (4-6) + Reasoning(6-10)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM – III	CAE1: S7 + M7 + R11+R12 CAE2: S8 + M8 + R13+R14 CAE3: S9 + M9 + R15+R16  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	Overall Grand Assessment Test (entire syllabus) 60Q Science + 60 Q Mathematics + 60 Q Reasoning = 180 Q 3hrs duration

## Syllabus

	Science	Mathematics	Reasoning
TERM – I	S1) Newton's laws of motion S2) Is matter around us pure S3) Gravitation	M1) Numbers and Surds M2) Polynomials and Factorization M3) Geometry	R1) Series completion R2) Coding and Decoding R3) Number Ranking R4) Operations R5) Seating Arrangement
TERM – II	S4) Matter S5) Atoms and Molecules S6) Structure of Atom	M4) linear Equations M5) Triangles & Quadrilaterals M6) Logarithms	R6) Direction Sense R7) Clock Test R8) Cubes R9) Dices R10) Figure Partition
TERM – III	S7) Unit of Life S8) Tissues S9) Diversity in Living Organisms	M7) Circles M8) Mensuration M9) Statistics & Probability	R11) Dot Situation R12) Images R13) Non Verbal Series -I R14) Non Verbal Series –II

Science Book1: S1+S2+S3  
Science Book2: S4+S5+S6  
Science Book3: S7+S8+S9

Mathematics Book1: M1+SM+M3  
Mathematics Book2: M4+M5+M6  
Mathematics Book3: M7+M8+M9

Reasoning: R1 to R14

3 Work booklets: Per chapter 2 worksheets in Science & Mathematics and  
per chapter 1 worksheet for Reasoning

So 18 worksheets for Science + 18 worksheets for Mathematics + 14 worksheets for Reasoning

**Class IX: Total 12 OMR Exams = 9CAE + 2 TAE +1GAT**

Class IX	OMR based Chapter Assessment Exam (CAE)	OMR based TERM Assessment Exam (TAE)
TERM – I	CAE1: S1 + M1 + R1+R2 CAE2: S2 + M2 + R3+R4 CAE3: S3 + M3 + R5  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(1-3) + Mathematics (1-3) + Reasoning(1-4)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM – II	CAE1: S4 + M4 + R6+R7 CAE2: S5 + M5 + R8+R9 CAE3: S6 + M6 + R10  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	TAE 1: Science(4-6) + Mathematics (4-6) + Reasoning(6-10)  50Q Science + 50 Q Mathematics + 50 Q Reasoning = 150 Q 2.5 hrs duration
TERM – III	CAE1: S7 + M7 + R11+R12 CAE2: S8 + M8 + R13 CAE3: S9 + M9 + R14  35 Q Science + 35 Q Mathematics + 30 Reasoning = 100 Q 2hrs duration	Overall Grand Assessment Test (entire syllabus) 60Q Science + 60 Q Mathematics + 60 Q Reasoning = 180 Q 3hrs duration

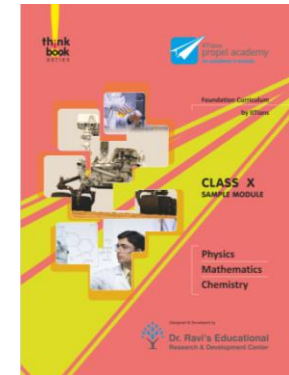
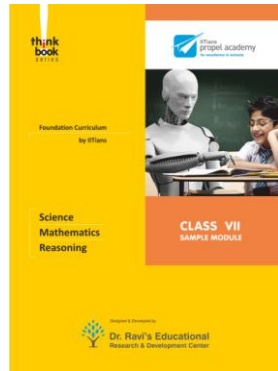
## How to Implement: Time Duration For all the Classes

Each Term duration: 3 months, For 3 Terms we need  $3 \times 3 = 9$  Months

1 chapter of Science + 1 chapter of Mathematics +  
1 or 2 Chapter (s) of Reasoning should be completed in 1 Month

<b>Mathematics:</b>	Monday to Saturday	Per day	45 min
<b>Science:</b>	Monday to Friday	Per day	45 min
<b>Reasoning:</b>	Saturday	Per week	45 min

# About Modules (Think Book Series )



**Detailed explanation of Each Concept – Competitive Exam point of view**

**Fits for  
Regular  
Students**

**Level 0: Introductory Exercises after every concept ( Basic Questions)**

**Level 1 : Thinking Oriented variety of Questions**

**Level 2 & 3 : Questions from old exams like**

**(CBSE /NTSE / Smart Olympiad /Science Olympiad / NSTSE/  
Junior International Olympiad / SAT / Other Country Exams)**