

# CHAITHANYA CLASSES

Kammath Lane, SankarayyaRoad,West fort, Trichur-4  
E-mail : [chaithanyaclass@gmail.com](mailto:chaithanyaclass@gmail.com), Website : [www.chaithanyaclass.com](http://www.chaithanyaclass.com)  
PH: 8086767293, 7306022990, 7306022994

# PROF P CTHOMAS CLASSES

E-mail : [professorpcthomas@gmail.com](mailto:professorpcthomas@gmail.com) ,Website : [www.professorpcthomas.com](http://www.professorpcthomas.com)

**CRASH COURSE JEE MAIN/KEAM& CUSAT-2024 AT CHAITHANYA CLASSES FOR REPEATERS & +2 APPEARING STUDENTS**

## **SHORT TERM COURSE-NON NRI BATCH**

### **DIFFERENT STREAMS FOR CRASH COURSE KEAM & CUSAT-2024ENTRANCE EXAMINATION**

1. Classroom coaching.
2. Live online interactive streaming.
3. Hybrid stream of attending classes at the institution and also attending live online interactive streaming.
4. Attending recorded videos of the live online interactive streaming.

Student can opt any of the above mode for attending the course and on request, they will be allowed to change their mode of attending the course from one stream to another.

The Crash JEE MAIN/KEAM& CUSAT-2024 course will be conducted in two phases.

1. **PHASE I-TARGET JEE MAIN/KEAM& CUSAT-2024(EARLY CRASH COURSE, COMPLIMENTARY)**
2. **PHASE II-The CRASH COURSE -Immediately after the KERALA STATE Board Exam till the KEAM&CUSAT - 2024 Entrance Examination**

The course details are given below.

### **PHASE I TARGET JEE MAIN/KEAM & CUSAT -2024 (EARLY CRASH COURSE, COMPLIMENTARY)**

#### **COURSE CONTENTS**

1. 10 Unit wise JEE MAIN model examinations, revision, discussion and analysis and 7 JEE MAIN full mock test commencing on 19/11/2023.Exams on Sundays and live online discussion with instant doubt clarification, Monday to Saturday,7 pm to 8.30 pm and 5.30 pm to 7 pm, during Fridays. The detailed time table separately provided.
2. Total 125+hrs of recorded video rapid revision classes covering the theoretical concepts linked to each chapter (+1 & +2).
3. 88 DPPs (Daily Practice Papers) linked with each chapter, comprising 30 questions in each DPP with solutions.
4. 2023-JEE MAIN,JEE ADVANCED and KEAM exam paper discussion
5. 20 JEE MAIN model Examinations
6. 10 Final KEAM model examinations.
7. 30 most probable questions discussion from each chapter.

#### **PREPARATION GUIDELINES- PHASE I-CHAPTER BY CHAPTER PREPARATION**

1. Thorough revision of each chapter theory given in the NCERT text.
2. Revisions of the abstracts of each chapter given in the base material.
3. Attending the theoretical concept discussion videos linked with every chapter.
4. Answering all the questions given in the each chapter of the base material.
5. Attending the video discussions of the selected questions of the chapter.
6. Attending the video discussion and analysis of the selected previously asked questions linked with each chapter.

### **PHASE II-THE CRASH COURSE-IMMEDIATELY AFTER THE KERALA STATE BOARD EXAM-TILL THE KEAM & CUSAT-2024 ENTRANCE EXAMINATION**

#### **I.DIFFERENT STREAMS FOR CRASH COURSE KEAM& CUSAT-2024 Entrance Examination**

1. Classroom coaching.
2. Live online interactive streaming.
3. Hybrid stream of attending classes at the institution and also attending live online interactive streaming.
4. Attending recorded videos of the live online interactive streaming.

Student can opt any of the above mode for attending the course and on request, they will be allowed to change their mode of attending the course from one stream to another.

#### **II.COURSE CONTENTS**

1. **MODULES**

A set of 12 study books (6 base materials+ 6 books with advanced questions & answers)

Physics-6 books, Chemistry-4 books, Maths-2 books which cover the theory abstract from each chapter, Questions of different levels with keys/Detailed hints and solutions.

- 20 cumulative KEAM/CUSAT LEVEL Examinations (3 hours) and 3 hours discussion of each paper.
- 10 KEAM Model Examinations, each of 2 papers (each paper of 2 1/2 hours) and 2 hours discussion and analysis of each paper.

### **III. OMR EXAMINATION**

Original OMR Examination for classroom stream attending students and OMR cum online Examination for live online stream opting students (The procedure for OMR cum online Examinations will be send via separate E-mail.)

### **IV. DOUBT CLEARANCE**

The classroom coaching opting students can meet the faculties and can clear their doubts and all the students can use the chat box, or Q&A or E-mail or WhatsApp for clearing their doubts.

### **V. COURSE COMMENCEMENT DATE**

The batches commence immediately after the respective board Examinations. The detailed course programme for the Crash course will be issued before the commencement of the Board Examination of different streams. There will be separate batches for Tamil Nadu state board, Kerala state board, CBSE, ICSE & Repeaters. There will be daily 8 hours of teaching session including examination between 8am and 4.45pm with lunch break between 12noon to 12.45pm till two days before that of entrance examination. The teaching session includes discussion of the theoretical concept, important questions and model examination.

### **VI. CAMPUS HOSTEL FACILITY**

We have state of the art residential institution hostel facility for 1500 students. For details, contact the office.

### **VII. FEE DETAILS**

- \* Fee for the Crash Course is Rs.15000/-+18% GST=17700/- which is to be paid through Online/DD/cash.
- \* The fee paid Rs.15000/- is for the cost of 12 study books. The study books once issued will not be taken back or the cost will not be refunded. All the items except study materials, mentioned in the course content are free of cost and complementary.
- \* **NB:** Any doubt regarding the teaching sessions, OMR Examination or Online Examinations etc. should be clarified before joining the course. Each student should send an Email from their registered E-mail Immediately after they join the course (within 48 hours). Each student should ensure that they will have proper net connectivity before joining the course, since the phase I, early crash course (complimentary) is fully through online.

### **VIII. ONLINE ADMISSION PROCEDURE FOR STUDENTS STAYING IN INDIA (FOR NON NRI STUDENTS)**

- 1 Remit the course fee online.

A/C details:

A/C Name: Chaithanya Classes

A/C No:0368073000001046

IFSC/NEFT CODE: SIBL0000368

SWIFT CODE: SOININ55

South Indian Bank, East fort, Trichur-5, Kerala, India.

\*Payments in INR only.

2. While making the remittance, Parent/Guardian should mention the student name in the sender to receiver information of the IFSC/NEFT/SWIFT application.
3. Please fill the online application form from <https://chaithanyaclass.com/classroom-form> After making the payment.
4. Any doubt regarding the course should be clarified through phone or email before joining.
5. There will be slight changes in the time schedule and in the mode of uploading according to the necessity, but the total teaching hours and of Question discussions and Examinations offered will not be changed. There will be changes in the streams offered, whenever there is a necessity, subject to GOVT. Directions.
6. Online Class Login details will be mailed to you once the admission procedure is complete.

**AN UNPARALLELED LEGACY OF TRANSFORMING LAKHS OF YOUNG MINDS INTO THE DEDICATED PROFESSIONALS JOYFULLY SERVING ACROSS THE GLOBE, OVER THE PAST 60 YEARS**

Wishing you God's grace in abundance

Thomas Johnson, IIT Chennai  
Course Director

Prof. Paul V Panikulam, Prof. P.C.Thomas&Prof.(Dr.)K.T.Johnson



DATE	DAY	PERIOD I 5:30 P.M to 7:00 P.M	PERIOD II 7:00 P.M to 8:30 P.M	CHAPTER					DPP CHAPTER NUMBERS (30Q.30 MINTS FOR EACH SUBJECT) &TIME					NEET MODEL NUMBER, TOPICS & TIME	JEE MAIN/KEAM MODEL NUMBER, TOPICS & TIME
				PHY	CHE	BOT	ZOO	MAT	PHY	CHE	BOT	ZOO	MAT		
02/12/23	SAT	P	M/Z	REV/ DISCUSSION			REV/ DISCUSSION	REV/ DISCUSSION					M27- 9 PM TO 9.30 PM		
03/12/23	SUN													<b>NEET MODEL UNIT-3 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM</b>	<b>JEE MAIN MODEL-3 UNIT-3 CBT TIME-2 PM TO 5 PM OR 6 PM TO 9 PM</b>
04/12/23	MON		P	REV/ DISCUSSION											
05/12/23	TUE		P	REV/ DISCUSSION					P11- 9 PM TO 9.30 PM						
06/12/23	WED														
07/12/23	THU		C		REV/ DISCUSSION										
08/12/23	FRI	M/B	C		REV/ DISCUSSION	REV/ DISCUSSION		REV/ DISCUSSION							
09/12/23	SAT	P	M/Z	REV/ DISCUSSION			REV/ DISCUSSION	REV/ DISCUSSION					M28- 9 PM TO 9.30 PM		
10/12/23	SUN													<b>NEET MODEL UNIT-4 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM</b>	<b>JEE MAIN MODEL-4 UNIT-4 CBT TIME-2 PM TO 5 PM OR 6 PM TO 9 PM</b>
11/12/23	MON		P	REV/ DISCUSSION											
12/12/23	TUE		P	REV/ DISCUSSION											
13/12/23	WED														
14/12/23	THU		C		REV/ DISCUSSION					C12- 9 PM TO 9.30 PM					
15/12/23	FRI	M/B	C		REV/ DISCUSSION	REV/ DISCUSSION		REV/ DISCUSSION			B8- 9 PM TO 9.30 PM				
16/12/23	SAT	C	M/Z		REV/ DISCUSSION		REV/ DISCUSSION	REV/ DISCUSSION				Z7- 9 PM TO 9.30 PM			



DATE	DAY	PERIOD I 5:30 P.M to 7:00 P.M	PERIOD II 7:00 P.M to 8:30 P.M	CHAPTER					DPP CHAPTER NUMBERS (30Q.30 MINTS FOR EACH SUBJECT) &TIME					NEET MODEL NUMBER, TOPICS & TIME	JEE MAIN/KEAM MODEL NUMBER, TOPICS & TIME
				PHY	CHE	BOT	ZOO	MAT	PHY	CHE	BOT	ZOO	MAT		
02/01/24	TUE		P	REV/ DISCUSSION						P13- 9 PM TO 9.30 PM					
03/01/24	WED														
04/01/24	THU		C		REV/ DISCUSSION						C15- 9 PM TO 9.30 PM (Only for JEE)				
05/01/24	FRI	M/B	C		REV/ DISCUSSION	REV/ DISCUSSION		REV/ DISCUSSION							
06/01/24	SAT	C	M/Z		REV/ DISCUSSION		REV/ DISCUSSION	REV/ DISCUSSION					M30- 9 PM TO 9.30 PM		
07/01/24	SUN													NEET MODEL UNIT- 8 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM	JEE MAIN MODEL-8 UNIT-8 CBT TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
08/01/24	MON		P	REV/ DISCUSSION											
09/01/24	TUE		P	REV/ DISCUSSION						P14- 9 PM TO 9.30 PM					
10/01/24	WED														
11/01/24	THU		C		REV/ DISCUSSION						C16- 9 PM TO 9.30 PM (Only for JEE)				
12/01/24	FRI	M/B	C		REV/ DISCUSSION	REV/ DISCUSSION		REV/ DISCUSSION							
13/01/24	SAT	P	M/Z	REV/ DISCUSSION			REV/ DISCUSSION	REV/ DISCUSSION							
14/01/24	SUN													NEET MODEL UNITS- 1,2,3,4 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM	JEE MAIN MODEL-9 UNITS-1,2,3,4 CBT TIME-2 PM TO 5 PM OR 6 PM TO 9 PM

DATE	DAY	PERIOD I 5:30 P.M to 7:00 P.M	PERIOD II 7:00 P.M to 8:30 P.M	CHAPTER					DPP CHAPTER NUMBERS (30Q.30 MINTS FOR EACH SUBJECT) &TIME					NEET MODEL NUMBER, TOPICS & TIME	JEE MAIN/KEAM MODEL NUMBER, TOPICS & TIME
				PHY	CHE	BOT	ZOO	MAT	PHY	CHE	BOT	ZOO	MAT		
15/01/24	MON		P	REV/ DISCUSSION											
16/01/24	TUE		P	REV/ DISCUSSION					P15- 9 PM TO 9.30 PM					NEET MODEL UNITS- 5,6,7,8 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM	JEE MAIN MODEL-10 UNITS-5,6,7,8 CBT TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
17/01/24	WED														JEE MAIN FULL MOCK- 1 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
18/01/24	THU		C		REV/ DISCUSSION										JEE MAIN FULL MOCK- 2 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
19/01/24	FRI	M/B	C		REV/ DISCUSSION	REV/ DISCUSSION		REV/ DISCUSSION							JEE MAIN FULL MOCK- 3 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
20/01/24	SAT	P	M/Z	REV/ DISCUSSION			REV/ DISCUSSION	REV/ DISCUSSION							JEE MAIN FULL MOCK- 4 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
21/01/24	SUN														JEE MAIN FULL MOCK- 5 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM
22/01/24	MON		P	REV/ DISCUSSION											JEE MAIN FULL MOCK- 6 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM

DATE	DAY	PERIOD I 5:30 P.M to 7:00 P.M	PERIOD II 7:00 P.M to 8:30 P.M	CHAPTER					DPP CHAPTER NUMBERS (30Q.30 MINTS FOR EACH SUBJECT) &TIME					NEET MODEL NUMBER, TOPICS & TIME	JEE MAIN/KEAM MODEL NUMBER, TOPICS & TIME
				PHY	CHE	BOT	ZOO	MAT	PHY	CHE	BOT	ZOO	MAT		
23/01/24	TUE		P	REV/ DISCUSSION											<b>JEE MAIN FULL MOCK- 7 TIME-2 PM TO 5 PM OR 6 PM TO 9 PM</b>

1. From 19-11-23, UNITWISE REVISION exams will be conducted every Sunday and the classes in the upcoming week will be used for discussion.  
2. NEET unitwise syllabus has been revised according to the latest NMC circular. Please find attached the revised unitwise syllabus for NEET.  
There is no change in JEE syllabus.

You are requested to follow the teaching and examination schedule both the Dpp & NEET/ JEE MAIN/KEAM & JEE ADVANCED model of the online stream systematically. This advanced preparation will definitely help you to get a very good score in the NEET/ JEE MAIN/KEAM & JEE ADVANCED -2024 examination. Revise and up to date the chapters using the recorded videos using the Chaithanya Classroom, the learning App.

Please follow the steps given below before attempting the Tests.

1) A very Systematic and detailed study of the corresponding NCERT chapters. The importance of NCERT can not be emphasized more especially for NEET/ JEE MAIN/KEAM students.

2) Revise all the BASE MATERIAL questions, PYQ's and most probable questions using the Chaithanya Classroom , the learning App.

3) Watch the 1.5 to 2 hr RAPID REVISION VIDEO associated with every chapter.

Make sure you follow the above steps to holistically cover the portions for a MODEL Exam before attempting it.

#### EXAMINATION SCHEDULE

There will be 30 mins Chapterwise Daily Practice Paper (DPP)s as per the schedule given above.

For Full length Model Exams, portions will be tested cumulatively i.e. there will be some questions from the syllabus of previous tests in the upcoming tests. This will ensure a constant revision of the already covered chapters.

The NEET model online exam will have 50 Questions from each subject, a total of 200Q, 200 mins time.

There will be a provision for doubt clearance. You can clear your doubts using the chat box, or Q&A or E-mail or WhatsApp.

The timetable after 23/01/2024 will be issued before 23/01/2024

“Success is no accident. It is hard work, perseverance, learning,  
Studying, sacrifice and most of all, Love of what you are doing.”  
Pele

Wishing you God's grace in abundance

Thomas Johnson. B.Tech. IIT Madras  
(Course Director, IIT Batches)

Prof. P.C.Thomas & Prof.(Dr.)K.T.Johnson



**REVISED FIRST YEAR UNITWISE CHAPTER DISTRIBUTION FOR JEE**

**UNIT 1**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P2(+1)	UNITS & MEASUREMENTS	C1(+1)	SOME BASIC CONCEPTS OF CHEMISTRY	M1(+1)	SETS
P3(+1)	MOTION IN A STRAIGHT LINE	C2(+1)	STRUCTURE OF ATOM	M2(+1)	RELATIONS & FUNCTIONS
P4(+1)	MOTION IN A PLANE	C3(+1)	CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES	M6(+1)	LINEAR INEQUALITIES
				M9(+1)	SEQUENCES & SERIES

**UNIT 2**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P5(+1)	LAWS OF MOTION	C4(+1)	CHEMICAL BONDING AND MOLECULAR STRUCTURE	M3(+1)	TRIGONOMETRY
P6(+1)	WORK, ENERGY AND POWER	C6(+1)	THERMODYNAMICS	M5(+1)	COMPLEX NUMBERS
P7(+1)	SYSTEM OF PARTICLES AND ROTATIONAL MOTION				

**UNIT 3**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P8(+1)	GRAVITATION	C7(+1)	EQUILIBRIUM	M7(+1)	PERMUTATIONS & COMBINATIONS
P9(+1)	MECHANICAL PROPERTIES OF SOLIDS	C8(+1)	REDOX REACTIONS	M8(+1)	BINOMIAL THEOREM
P10(+1)	MECHANICAL PROPERTIES OF FLUIDS			M15(+1)	STATISTICS
P11(+1)	THERMAL PROPERTIES OF MATTER			M16(+1)	PROBABILITY

**UNIT 4**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P12(+1)	THERMODYNAMICS	C11(+1)	THE P-BLOCK ELEMENTS	M10(+1)	STRAIGHT LINES
P13(+1)	KINETIC THEORY	C12(+1)	ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUES	M11(+1)	CONIC SECTIONS
P14(+1)	OSCILLATIONS	C13(+1)	HYDROCARBONS	M12(+1)	INTRODUCTION TO 3D GEOMETRY
P15(+1)	WAVES				

**REVISED SECOND YEAR UNITWISE CHAPTER DISTRIBUTION FOR JEE**

**UNIT 5**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P16(+2)	ELECTRIC CHARGES AND FIELDS	C16(+2)	SOLUTIONS	M13(+1)	LIMITS & DERIVATIVES
P17(+2)	ELECTROSTATIC POTENTIAL AND CAPACITANCE	C17(+2)	ELECTROCHEMISTRY	M22(+2)	CONTINUITY & DIFFERENTIABILITY, METHODS OF DIFFERENTIATION
P18(+2)	CURRENT ELECTRICITY	C18(+2)	CHEMICAL KINETICS	M23(+2)	APPLICATION OF DERIVATIVES

**UNIT 6**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P19(+2)	MOVING CHARGES AND MAGNETISM	C21(+2)	THE P BLOCK ELEMENTS(GROUP 15 TO 18)	M18(+2)	RELATIONS & FUNCTIONS
P20(+2)	MAGNETISM AND MATTER	C22(+2)	THE D AND F-BLOCK ELEMENTS	M19(+2)	INVERSE TRIGONOMETRIC FUNCTIONS
P21(+2)	ELECTROMAGNETIC INDUCTION			M20(+2)	MATRICES
P22(+2)	ALTERNATING CURRENT			M21(+2)	DETERMINANTS

**UNIT 7**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P23(+2)	ELECTRO MAGNETIC WAVES	C23(+2)	COORDINATION COMPOUNDS	M24(+2)	INTEGRALS
P24(+2)	RAY OPTICS AND OPTIONAL INSTRUMENTS	C24(+2)	HALOALKANES AND HALOARENES	M25(+2)	APPLICATION OF INTEGRALS
P25(+2)	WAVE OPTICS	C25(+2)	ALCOHOLS, PHENOLS AND ETHERS	M26(+2)	DIFFERENTIAL EQUATIONS
P26(+2)	DUAL NATURE OF RADIATION AND MATTER				

**UNIT 8**

PHYSICS		CHEMISTRY		MATHS	
CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS	CHAPTER CODE	CHAPTERS
P27(+2)	ATOMS	C26(+2)	ALDEHYDES, KETONES AND CARBOXYLIC ACIDS	M27(+2)	VECTORS
P28(+2)	NUCLEI	C27(+2)	AMINES	M28(+2)	3-D GEOMETRY
P29(+2)	SEMICONDUCTOR ELECTRONICS	C28(+2)	BIOMOLECULES	M30(+2)	PROBABILITY
P31	EXPERIMENTAL PHYSICS	C31	PRINCIPLES RELATED TO PRACTICAL CHEMISTRY		

The chapters States of matter and linear inequalities though not explicitly mentioned in the syllabus, will be taught for better understanding of subsequent topics.