

# BRILLIANT ONLINE TEST SERIES (BTS)

## FOR JEE MAIN 2023

### APRIL SESSION

### REGISTRATION continues...

ONLY FOR  
NON-BRILLIANT  
BATCH  
STUDENTS

**ELIGIBILITY**  
**CLASS XII**  
STUDYING / COMPLETED

MODE OF TEST

**ONLINE ONLY**

WITH BRILLIANT CLASSROOM STUDENTS

**FEE STRUCTURE**

**10000/-**

including GST

[www.brilliantpala.org](http://www.brilliantpala.org)

HELP  
LINE

**8281795402 | 9605471763**

## JEE MAIN

### 2022 RESULT

KERALA

# 1

KERALA

# 1

ALL INDIA  
RANK

## 17

FEMALE

ALL INDIA  
RANK

## 163

# 100

PERCENTILE

THOMAS BIJU  
CHEERAMVELIL

## 99.9879429

ANN MARY

## ₹50 LAKHS

THOMAS BIJU

JEE ADV. 2022 AIR-3





## STAR ATTRACTION AND BENEFITS OF BTS

The star attraction of BTS is that it provides an opportunity for Non-Brilliant Batch Students to compete with the gems of Brilliant. This will undoubtedly provide them a platform to assess their strength and weakness. BTS certainly develop the examination writing skills of students thereby enabling them to compete with best rank holders of the nation. Also BTS will enhance the efficiency and competitive spirit of students. After each test there will be live doubt clearance cum concept strengthening sessions for each topic.

## RESULTS AND EVALUATION

The results of every test will be published on the next day of a test. Separate rank list of Non Brilliant Students and common rank list with the Brilliant class room students will be published and it will be available on our website. Followed by every test there will be live discussion classes in which the students can clear their doubts beyond any doubt.

## BTS & JEE (ADVANCED) 2023

We announce our fabulous scheme of free entry to the class room JEE (Advanced) 2023 programme to every student having top percentile score. We exhort students world wide to tap and utilize this opportunity. This will certainly give you an edge so that with BTS you will learn to analyze every problem from different possibilities and dimensions. It will certainly help you to formulate the optimum methodology.

### SALIENT FEATURES OF BTS

- Detailed discussion of every question with multi disciplinary way of solving the question.
- Helps you to evaluate your shortcomings and improves your strike rate
- Gives an opportunity to compete with Students of Brilliant with the help of a common rank list
- A platform to assess the strength and weakness in various topics. There will be multidimensional performance analysis.
- Able to develop examination writing skills and develop time management skills.
- Enhance efficiency and competitive spirit.
- Enabling optimization (Maximising strength and Minimising weakness).
- BTS is a simulation technique. Students get several chances to appear in simulated JEE (Main & Advanced) like environment.
- Gives an opportunity to check your current level of preparedness for JEE (Main & Advanced) 2023
- E-learning APP will be at your service which comprises a solution to all Entrance riddles, and the APP is comprehensive in all realm.
- After the Exam, Online Question Discussion - Live / Recorded version will be available.

**Disclaimer:** Brilliant Pala has the best methodology and technology to train students for JEE (Main & Advanced). Students enrolled with Brilliant Pala are the exclusive students of Brilliant. Hence students of other institutes are advised not to join BTS. Also Brilliant has the absolute power to alter and / or modify the provisions and schedule of BTS.

# JEE MAIN MODEL EXAM SCHEDULE

## SESSION 2



Sl. No.	DATE	DAY	UNIT	EXAM	DURATION
1	04-02-2023	SATURDAY	UNIT I	JEE MAIN	3.00 Hrs.
2	09-02-2023	THURSDAY	UNIT II	JEE MAIN	3.00 Hrs.
3	14-02-2023	TUESDAY	UNIT III	JEE MAIN	3.00 Hrs.
4	19-02-2023	SUNDAY	UNIT IV	JEE MAIN	3.00 Hrs.
5	25-02-2023	SATURDAY	UNIT V	JEE MAIN	3.00 Hrs.
6	02-03-2023	THURSDAY	UNIT VI	JEE MAIN	3.00 Hrs.
7	07-03-2023	TUESDAY	UNIT VII	JEE MAIN	3.00 Hrs.
8	12-03-2023	SUNDAY	UNIT VIII	JEE MAIN	3.00 Hrs.
9	17-03-2023	FRIDAY	UNIT IX	JEE MAIN	3.00 Hrs.
10	21-03-2023	TUESDAY	UNIT X	JEE MAIN	3.00 Hrs.
11	24-03-2023	FRIDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
12	26-03-2023	SUNDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
13	27-03-2023	MONDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
14	28-03-2023	TUESDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
15	29-03-2023	WEDNESDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
16	31-03-2023	FRIDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
17	01-04-2023	SATURDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
18	02-04-2023	SUNDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
19	03-04-2023	MONDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
20	04-04-2023	TUESDAY	ALL UNITS	JEE MAIN	3.00 Hrs.
21	05-04-2023	WEDNESDAY	ALL UNITS	JEE MAIN	3.00 Hrs.

**JEE MAIN 2023 SECOND SESSION EXAMINATION - APRIL 6, 7, 8, 9, 10, 11, 12**

*Dates for subsequent model exams will be announced later ...*



# UNITWISE DISTRIBUTION OF TOPICS

## SESSION 2



### UNIT - I

**PHYSICS:** Motion in a straight line, Motion in a plane, Laws of motion, Friction. Work energy power, Circular motion

**CHEMISTRY:** Some basic concept of chemistry, Structure of atom, States of matter, Redox reaction

**MATHEMATICS:** Sets, Relations, Function & Binary operations, Quadratic equations, Complex Numbers, Mathematical Induction & Linear Inequalities

### UNIT - II

**PHYSICS:** System of particles and Rigid body dynamics, Center of mass and collision

**CHEMISTRY:** Chemical thermodynamics, Solid state, Surface chemistry

**MATHEMATICS:** Sequence & Series, Matrices & Determinants

### UNIT - III

**PHYSICS:** Mechanical properties of solids & fluids

**CHEMISTRY:** Chemical & ionic equilibrium, Solutions, Electro chemistry, Chemical kinetics

**MATHEMATICS:** Vector algebra, Three Dimensional Geometry.

### UNIT - IV

**PHYSICS:** Thermal properties of matter, Thermodynamics, Kinetic theory

**CHEMISTRY:** Hydrogen, S-block elements, Qualitative analysis

**MATHEMATICS:** Permutation & Combinations, Binomial Theorem, Probability, Statistics

### UNIT - V

**PHYSICS:** Waves, Oscillations

**CHEMISTRY:** P-block elements (Class XI & XII) Classification of elements & periodicity in properties, Chemical bonding & molecular structure

**MATHEMATICS:** Trigonometric ratios & identities, Trigonometric equations, Solution of triangles

### UNIT - VI

**PHYSICS:** Electric charges and fields, Electrostatic

potential & capacitance, Current electricity

**CHEMISTRY:** General principles and processes of isolation of elements, D & F block elements, Coordination compounds

**MATHEMATICS:** Straight Lines, Circles, Mathematical Reasoning

### UNIT - VII

**PHYSICS:** Moving charges and magnetism, Magnetism & matter, Gravitation

**CHEMISTRY:** Organic chemistry – (nomenclature of organic compounds, isomerism, organic reaction mechanism, purification of organic compounds, Hydrocarbons, Halo alkanes and haloarenes, Stereo chemistry

**MATHEMATICS:** Conic Section (Parabola, Ellipse, Hyperbola)

### UNIT - VIII

**PHYSICS:** Electromagnetic induction, Alternating current, E M waves

**CHEMISTRY:** Aldehydes & ketones, Alcohols, Phenols & Ethers

**MATHEMATICS:** Real Functions, Limit, Continuity, Differentiability, Derivatives

### UNIT - IX

**PHYSICS:** Ray optics & optical instruments, Wave optics, Physical world and units & measurements

**CHEMISTRY:** Carboxylic acids & it's derivatives, Environmental chemistry

**MATHEMATICS:** Integral Calculus (Definite & Indefinite Integrals, Area under a Curve), Differential Equations

### UNIT - X

**PHYSICS:** Modern physics (atoms, nuclei, dual nature of radiation and matter), Semiconductor electronics, Principles of communication

**CHEMISTRY:** Organic compounds containing nitrogen, Polymers, Biomolecules, Chemistry in everyday life

**MATHEMATICS:** Inverse Trigonometric functions, Applications of Derivates



# Brilliant E-Learning APP

The Brilliant E-Learning App-a complete App in all dimensions - will be given to all the students who have enrolled in BTS. In addition to BTS variety of mock tests are available in Brilliant E-Learning App

A mentor will be in close touch with our students to assess the performance and to provide necessary guidelines.



## ABOUT BRILLIANT

Ever since its inception in 1984, the Brilliant Study Centre has become a centre of Excellence which provides optimum coaching for Medical/Engineering Entrance exams to students who aspire for bright future. Brilliant Study Centre is undoubtedly the star attraction of students all over the globe where a Malayalee community makes their presence. Here in Brilliant, the students work closely with faculty who are dedicated to exemplary teaching and scholarship, thereby making the motto of Brilliant "CHISELLING THE BRILLIANTS" meaningful in every sense.

## OUR VISION

Our vision is to grow beyond leaps and bounds as an institution of par excellence on the arena of entrance examinations and improvise everything required for boosting and enlightening the endeavour of our students.

## CONCLUSION

On a perusal of previous year question of JEE (Main) it can be seen that there are questions from very difficulty levels to very easy ones. Here the BTS comes in a long way to teach you how to develop an optimum work break down schedule that will maximise your strength and minimize your weakness. BTS certainly teaches you not to fail. The BTS provides you with the right mix of questions and gives an opportunity to compete with the best potential rank holders of the Brilliant (which are, of course, the best in the nation).

Dear student community, there are opportunities aplenty, seize them, use them and become great.