



Stormy Seas in Sagittarius

Some of the most breathtaking views in the Universe are created by nebulae — hot, glowing clouds of gas. This new NASA/ESA Hubble Space Telescope image shows the center of the Lagoon Nebula, an object with a deceptively tranquil name, in the constellation of Sagittarius. The region is filled with intense winds from hot stars, churning funnels of gas, and energetic star formation, all embedded within an intricate haze of gas and pitch-dark dust.

If you are waiting for the right time, it's

NOW



INFORMATION BROCHURE

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THEME OF BROCHURE - OUR UNIVERSE

Welcome

We welcome you to the **origence**, Varanasi Center, which delivers IIT-JEE coaching programs to class 8th, 9th, 10th, 11th, 12th and 12th passed students.

origence is a great platform for students preparing for IIT-JEE to receive quality education.

The academic excellence of **origence** is the product of its celebrated faculties, who are highly experienced in their respective fields and are great scholars.



Helix Nebula (Photograph on front page)

A dying star is throwing a cosmic tantrum in this combined image from NASA's Spitzer Space Telescope and the Galaxy Evolution Explorer (GALEX), which NASA has lent to the California Institute of Technology in Pasadena. In death, the star's dusty outer layers are unraveling into space, glowing from the intense ultraviolet radiation.

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India's contributions in the field of astronomy are well known and well documented. The earliest references to astronomy are found in the Rig Veda, which are dated 2000 BC.

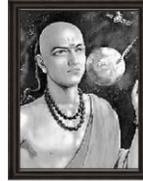
There are astronomical references of chronological significance in the Vedas. Some Vedic notices mark the beginning of the year and that of the vernal equinox in Orion. This was the case around 4500 BC.

Presently India is considered in top 8 countries for its advance research and contribution in the field of astronomy.

We have chosen "Our Universe" as the theme of this booklet. In coming pages there are brief information about the used photographs.

Great Indian Astrophysicists

Aryabhata
(476–550 CE)



Bhaskaracharya
(1114–1185)



Nilakantha Somayaji
(1444–1544)



Meghnad Saha
(1893–1956)



Subrahmanyam Chandrasekhar
(1910–1995)



Satish Dhawan
(1920–2002)



Vainu Bappu
(1927–1982)



Abdul Kalam
(1931–2015)



About Us

origence is a team of IIT-ians and professionals, a group having vigor and vibrance of some young radiant minds and expertise of some very experienced personals, all working for the common objective of providing the best education to each student in the most scientific and personalized way.

At **origence** we believe that each child has enough potential to make a mark of his own. The only thing needed is to identify the hidden potential, unravel it and nurture his/her talent with utmost care.

We are the leading IITJEE training Institute based in Varanasi. We are a great team in which every member has a vast experience of teaching in various parts of country. This gives us an edge to our teaching methodology due to which we are able to regale the intellectual appetite of all cadres of students.

With the zeal and determination to revolutionize the training process for IIT-JEE and to ensure the integrated advancements of students, the **origence** family is all set to work with their entire proficiency.



Hubble Spies a Loopy Galaxy

This NASA Hubble Space Telescope photo of NGC 7714 presents an especially striking view of the galaxy's smoke-ring-like structure. The golden loop is made of sun-like stars that have been pulled deep into space, far from the galaxy's center. The galaxy is located approximately 100 million light-years from Earth in the direction of the constellation Pisces. The universe is full of such galaxies that are gravitationally stretched and pulled and otherwise distorted in gravitational tug-o'-wars with bypassing galaxies. The companion galaxy doing the "taffy pulling" in this case, NGC 7715, lies just out of the field of view in this image. A very faint bridge of stars extends to the unseen companion. The close encounter has compressed interstellar gas to trigger bursts of star formation seen in bright blue arcs extending around NGC 7714's center.

The gravitational disruption of NGC 7714 began between 100 million and 200 million years ago, at the epoch when dinosaurs ruled the Earth. The image was taken with the Wide Field Camera 3 and the Advanced Camera for Surveys in October 2011. The Hubble Space Telescope is a project of international cooperation between NASA and the European Space Agency. NASA's Goddard Space Flight Center in Greenbelt, Maryland, manages the telescope. The Space Telescope Science Institute (STScI) in Baltimore conducts Hubble science operations. STScI is operated for NASA by the Association of Universities for Research in Astronomy, Inc., in Washington, D.C. For images and more information about Hubble, visit:

About IITs & NITs

Joint Entrance Exam JEE

Indian Institute of Technology (IITs)

Indian Institutes of Technology are institutions of national importance established through Acts of Parliament for fostering excellence in education. Over the years, IITs have created a world class educational platform that is dynamically sustained through quality teaching and internationally acclaimed research with excellent infrastructure and the best available minds. The faculty and alumni of IITs occupy key positions in academia and industry, both in India and abroad, and continue to make a considerable impact in all sections of the society.

The primary objectives of IITs are as follows:

- To create an environment that encourages freedom of thought and pursuit of excellence, and inculcates the necessary vision and self-discipline to achieve excellence.
- To build a solid foundation of scientific and technical knowledge and to prepare competent and motivated engineers and scientists.
- To kindle an entrepreneurial spirit among the students.
- To prepare the students to become outstanding professionals and contribute to nation-building.

At present, there are 23 IITs located across the country.

website : www.jeeadv.ac.in

National Institute of Technology (NITs)

The National Institutes of Technology (NITs), are a group of premier public engineering institutes of India. On their inception decades ago, all NITs were referred as Regional Engineering Colleges (RECs) and were governed by their respective state governments. NITs were founded to promote regional diversity and multi-cultural understanding in India. Comprising thirty autonomous institutes, they are located in one each major state/territory of India. In 2007, the Indian government declared these schools as Institute of National Importance. NITs offer degree courses at bachelors, masters, and doctorate levels in various branches of engineering and technology. All NITs are autonomous which enables them to set up their own curriculum. Admission to NITs was done by the erstwhile All India engineering Entrance Examination, now replaced by Joint Entrance Examination Main (JEE Main) conducted across India.

At present, there are 31 NITs located across the country.

website : www.jeemain.nic.in

JEE (Joint Entrance Exam) is a common entrance exam conducted at all India level to facilitate students for getting admissions into different engineering colleges in India. JEE ranks among the toughest exams in the world. Around 12,00,000 students appear for this test every year to get admissions into NITs, IITs, IIITs and other Government Funded Technical Institutes (GFTI). The courses offered by these institutes are B.Tech/B.E, B.Arch, Integrated MSc's, etc.

Joint Entrance Exam (JEE) is constituted by two different examinations - JEE Main and JEE Advanced.

JEE Mains eligibility criteria mentioned below have to be fulfilled by each candidate. The JEE Mains exam also forms an eligibility test for the JEE Advanced exam. The top 2,24,000 candidates who will qualify the JEE Mains will be allowed to appear for the JEE Advanced exam.

From 2019, JEE Main is conducted two times in a year and it will be conducted by National Testing Agency (NTA)

JEE MAINS Eligibility Criteria:

Criterion 1 - Age Criteria:

- (a) All candidates (General and OBC) can be, at most 25 years of age on October 1st, in the year of taking admission to be eligible to apply for JEE Mains.
- (b) For SC, ST and PwD candidates, he/she can be, at most 30 years of age on October 1st, in the year of taking admission to be eligible to apply for JEE Mains.

Criterion 2 - Registration using Aadhaar Card:

A new criteria has been introduced by the CBSE from JEE Mains 2017, whereby the applicant must have a valid registered Aadhaar Card number for being eligible for JEE Mains.

Criterion 3 - Attempts allowed:

An aspirant can avail a maximum of 3 attempts* for JEE-Main (in consecutive years) and 2 attempts for JEE-Advanced (in consecutive years). The first attempt is taken in the year of appearing in class 12th board exams followed by the other attempts in consecutive years.

*[Considering that now JEE-Main is conducted two times in a year, an aspirant can appear overall 6 times in JEE-Main exam (2 times in a year for 3 consecutive years). However candidates are not required to compulsorily take the test twice (in a year) and if a candidate appears in both the tests, only the better of the two scores will be considered.]

Criterion 4 - Minimum marks required for IIT JEE Mains:

- (a) There are no minimum marks required for IIT JEE Mains in their class 12th board examination. However, the appearing candidates have to secure at least the passing marks in their respective qualifying examination.
- (b) **Eligibility Criteria for students belonging to the General Category for getting admissions into different IITs, NITs, IIITs and other CFTIs:** The Students must have secured a minimum of 75% marks in their class 12th board exams or they must rank among the top 20 percentile in their qualifying examination.
- (c) **Eligibility Criteria for students belonging to the Reserved Categories (SC, ST & Pwd) for getting admissions into different IITs, NITs, IIITs and other CFTIs:** A minimum of 65% marks are required for getting admissions into different undergraduate courses offered at IITs, NITs, IIITs and other CFTIs which are considering admissions on the basis of JEE Mains or JEE Advanced ranks.

Criterion 5- Subjects pursued in the Qualifying Examination:

- (a) It is mandatory for all students appearing for JEE Mains that they must have pursued at least 5 subjects with Physics, Chemistry, and Mathematics as their core subjects in their qualifying examinations.
- (b) Students are not eligible for appearing in JEE Mains who have studied less than 5 subjects in their qualifying exam.

Criterion 6- Year of passing in the Qualifying Examination:

- (a) Students appearing for their Class 12th examination or any other equivalent qualifying examination in the year of giving JEE-Main, are eligible, provided their result should be declared before 15th of June, in the same year.
- (b) Students who have passed their Class 12th examination or any other equivalent qualifying examination in the year before or year previous to before the year of giving JEE-Main are also eligible for appearing in JEE-Main.

JEE Main Exam Pattern

- (a) JEE-Main is held for two papers. Paper I will be held for B.E/ B.Tech aspirants, and Paper 2 for B. Arch./ B. Planning. Candidates who wish to take admission in the NITs and CFTIs in courses like B.Arch and B.Planning have to clear JEE-Main Paper II. The exam duration of both the papers is the same - 3 hours each. While JEE-Main Paper I will have questions in Physics, Chemistry, and Mathematics for a total of 360 marks, JEE-Main Paper II will have questions in Mathematics, Aptitude Test, and Drawing for a total of 390 marks.
- (b) The JEE-Main Paper I is held in 1 shift and is held only in **online mode**.
- (c) The JEE-Main Paper II is held in 2 shifts. JEE-Main Paper II will have 3 parts. Part 1 and Part 2 will be in online mode, whereas Part 3 will be in offline mode. Part 1 of JEE Main Paper II is Mathematics, Part 2 is Aptitude Test and Part 3 is the drawing section which the candidates will attempt in drawing sheets.

JEE ADVANCED Eligibility Criteria

All the candidates must fulfil each and every one of the following five criteria to appear in JEE -Advanced.

CRITERION 1 – Performance in JEE-Main: Candidates should be among the top 2,24,000* (including all categories) in Paper-1 of JEE-Main.

The percentages of various categories of candidates to be shortlisted are: 27% for OBC-NCL, 15% for SC, 7.5% for ST and the remaining 50.5% is OPEN for all. Within each of these four categories, 5% horizontal reservation is available for PwD candidates.

CRITERION 2 – Age limit: All candidates (General and OBC) can be, at most 25 years of age on October 1st, in the year of taking admission. Five years relaxation is given to SC, ST and PwD candidates.

CRITERION 3 – Number of attempts: A candidate can attempt JEE -Advanced a maximum of two times in consecutive years, with the first attempt taken in the year of appearing in class 12th board exams followed by the second attempt in the next year.

CRITERION 4 – Appearance in Class XII (or equivalent) examination: A candidate should have appeared for the Class XII (or equivalent) examination for the first time either in the year of appearing in JEE-Advanced or in the year before the year of appearing in JEE-Advanced.

CRITERION 5– Earlier admission at IITs: A candidate should NOT have been admitted in an IIT irrespective of whether or not he/she continued in the program OR accepted an IIT seat by reporting at a reporting centre in the past. Candidates whose admission at IITs was cancelled after joining any IIT are also NOT eligible to appear in JEE-Advanced.

JEE ADVANCED Exam Pattern

There are several changes made in the exam from 2018. The Joint Admission Board (JAB) decided to conduct the entire exam online from 2018 since it reduces chances of paper leak and makes logistics and evaluation easier. It said that the online exam will neutralise the problem of misprinting. The number of students appearing for the JEE (Advanced) has been increased to 2,24,000, which was earlier 2,20,000.

Our Teaching Methodology

JEE MAIN & JEE ADVANCED PREPARATION



Space Station Flyover of the Mediterranean

Expedition 46 flight engineer Tim Peake of the European Space Agency (ESA) shared this stunning nighttime photograph with his social media followers on Jan. 25, 2016, writing, "Beautiful night pass over Italy, Alps and Mediterranean."

Highlights

Infrastructure

origence has a set of aesthetically designed classrooms which are equipped with the latest sound and light system. We have also deployed the facility of Wi-Fi in classrooms which are used as per the demand during lecture delivery. We have separate buildings for administrative purposes (Admin Block) and classrooms (Academic Block). At our academic blocks faculties are available throughout the office timings so that students may interact with them for doubts and queries.

Doubt Clearing Cell

In **origence**, dealing with academic doubts of students is high in our priority list. To address this issue, we have a doubt clearance cell running from 9 AM to 9 PM, 7 days a week. Our faculties are always available to help the students solve their problems, to discuss their ideas and to guide them in the right direction.

Transport

Our associated schools provide conveyance to students of USP batches. For the students who are not part of such programs, **origence** provides transport facility from all corners of Varanasi. For such services we have deployed small size vehicles in order to minimize the travel time of students.

Hostel

We have an arrangement of separate hostels for boys and girls which are being run under our supervision. Although we are not directly involved in running such hostel but we do take care of facilities like hygiene, proper study environment, discipline, presence and absence of students in hostel, etc. The timing of meals provided in these hostels are in synchrony with our lecture timings. All these hostels are at walking distance from **origence** classrooms.

What's New ?

Our teaching methodology is regulated by our highly competent faculties who focus on maximizing the performance level of the students & demonstrate proficiency in their respective subjects. It is our teaching methodology that creates confidence among JEE aspirant.

We, at **origence** stress on periodic tests and evaluation processes to ascertain the academic strengths and weaknesses of the students. Our entire curriculum is aligned with the essential pre-requisites for success in JEE. We provide complete study materials in form of booklets. The study materials consist of comprehensive theory, classified home assignments, miscellaneous assignments and questions asked in IIT-JEE (Advanced & Main). The study materials are designed to supplement the classroom contact program of **origence**. The synchronization of classroom program with the study materials is a unique feature of **origence** which in long run produces synergetic effect on the student & uplifts him to face the rigors of competitive exams with high level of self confidence.



Online Test Series **ORETS**

origence conducts **ORETS** (Origence Rank Enhancement Test Series) on similar pattern as prescribed by IIT Main & Advanced. This test is complementary for students enrolled in our classroom programs. Considering the new pattern of JEE-Main from 2019 **ORETS** is now held in online mode only.

Key features of ORETS are:

- (a) Adequate number of papers with well planned dates.
- (b) Detailed solution with tips from subject experts.
- (c) Performance analysis and suggestions for development of the time management skills and minimization of silly mistakes.
- (d) Simulated JEE like environment to help you develop your examination temperament.
- (e) Fresh problems with optimized and relevant level of difficulty.



The Hubble

In 2009, the fifth and final space shuttle mission to NASA's Hubble Space Telescope was launched. Space shuttle Atlantis and the crew of STS-125 delivered the Cosmic Origins Spectrograph and Wide Field Camera 3 to the revolutionary observatory, which was designed, developed and constructed by NASA's Marshall Space Flight Center. The NASA History Program documents and preserves NASA's remarkable history through a variety of products -- photos, press kits, press releases, mission transcripts and administrators' speeches.

About Classroom Program

Our Regular Classroom Teaching is supported by our highly experienced faculties who don't leave any stone unturned in the mission of preparing the students for IIT-JEE. Every classroom lecture is based on pre-defined & well aligned study material that relies on JEE syllabus. We also provide them with different levels of specially designed assignments, which develop their analytical and problem solving skills.

Every student is provided with a Micro Planner that guides the day wise complete schedule of the program including chapter wise coverage plan, test dates and list of holidays.

Types of Classroom Programs

1. Foundation Batches - for Class 11th & Class 12th

The foundation courses offered by **origence** are focused at providing a solid foundation to the students through interactive learning process. In **origence**, we provide an academically stimulating environment with small batches, where the faculties guide each and every student to think analytically and adopt the right attitude that is required for success in JEE. **origence** runs 7 types of foundation batches viz. USP (Ultra Synchronized Program), Flair, Focus, Fusion, FTP Junior, FTP Senior.

2. Target Batches - for Class 12th Passed Students

This one year classroom program is specially designed for students who have completed their intermediate studies and are aspiring for career in Engineering through IITs and NITs. The students who have missed the first chance in IIT-JEE Main or IIT-JEE Advanced will be rigorously trained to compete at all India level to realize their dreams. **origence** runs 3 types of target batches viz. Mettle, Resolute and Zenith.



Hubble Sees Spiral in Serpens

This new NASA/ESA Hubble Space Telescope image shows a beautiful spiral galaxy known as PGC 54493, located in the constellation of Serpens (The Serpent). This galaxy is part of a galaxy cluster that has been studied by astronomers exploring an intriguing phenomenon known as weak gravitational lensing. This effect, caused by the uneven distribution of matter (including dark matter) throughout the Universe, has been explored via surveys such as the Hubble Medium Deep Survey. Dark matter is one of the great mysteries in cosmology. It behaves very differently from ordinary matter as it does not emit or absorb light or other forms of electromagnetic energy — hence the term "dark." Even though we cannot observe dark matter directly, we know it exists. One prominent piece of evidence for the existence of this mysterious matter is known as the "galaxy rotation problem." Galaxies rotate at such speeds and in such a way that ordinary matter alone — the stuff we see — would not be able to hold them together. The amount of mass that is "missing" visibly is dark matter, which is thought to make up some 27 percent of the total contents of the Universe, with dark energy and normal matter making up the rest. PGC 54493 has been studied in connection with an effect known as cosmic shearing. This is a weak gravitational lensing effect that creates tiny distortions in images of distant galaxies.

Details of Foundation Batches

Ultra Synchronized Program - USP

origence is well aware of the gravity of board exams. In **origence**, we run a unique two year Foundation Program for Class 11th and Class 12th which ensures the complete addressing of Board Exams along with IIT-JEE.



The USP provides enough time to students for their self studies by eliminating repetitive teaching of syllabus in both school and coaching.



USP academic curriculum flowchart is planned such that it matches with curriculum of almost all leading schools. In USP we provide regular feedback to the parents about their ward's performance at school and **origence**.



USP has Self sufficient and highly innovative study material, first of its kind which address both boards as well IITJEE curriculum simultaneously. The students are thus relieved from their dilemma to look for other reference materials.



The students are being provided with a MICRO-PLANNER which comprises of day wise complete schedule of the programs including day-wise chapter coverage plan, test dates, & list of holidays.



Hubble Feathers the Peacock

This picture, taken by the NASA/ESA Hubble Space Telescope's Wide Field Planetary Camera 2 (WFPC2), shows a galaxy known as NGC 6872 in the constellation of Pavo (The Peacock). Its unusual shape is caused by its interactions with the smaller galaxy that can be seen just above NGC 6872, called IC 4970. They both lie roughly 300 million light-years away from Earth.

From tip to tip, NGC 6872 measures over 500,000 light-years across, making it the second largest spiral galaxy discovered to date. In terms of size it is beaten only by NGC 262, a galaxy that measures a mind-boggling 1.3 million light-years in diameter! To put that into perspective, our own galaxy, the Milky Way, measures between 100,000 and 120,000 light-years across, making NGC 6872 about five times its size. The upper left spiral arm of NGC 6872 is visibly distorted and is populated by star-forming regions, which appear blue on this image. This may have been caused by IC 4970 recently passing through this arm — although here, recent means 130 million years ago! Astronomers have noted that NGC 6872 seems to be relatively sparse in terms of free hydrogen, which is the basis material for new stars, meaning that if it weren't for its interactions with IC 4970, NGC 6872 might not have been able to produce new bursts of star formation.

Ultra Synchronized Program-USP for Class 11th

Course Duration: One Year

Class Timing: 9:00 AM – 2:40 PM (3 days in a week viz. Monday, Wednesday and Friday)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Eligibility: Class 10th appeared/passed.

Ultra Synchronized Program-USP for Class 12th

Course Duration: One Year

Class Timing: 9:00 AM – 2:40 PM (3 days in a week viz. Tuesday, Thursday and Saturday)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Eligibility: Class 11th appeared/passed.

FLAIR for Class 11th Evening

In this batch, classes run for all the six days which allows slow and steady percolation of the subject matter. This batch is suitable for students of all categories.

Course Duration: One Year

Class Timing: 5:40 PM – 8:45 PM (6 days in a week)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Eligibility: Class 10th appeared/passed.

FUSION for Class 12th Evening

Similar to Class 11th Evening Batch, the regular school going students are recommended for this batch. In this 1 year program syllabus of Class 12th as well as Class 11th is covered upto IIT-JEE standards. Along with IIT-JEE syllabus, we also cover CBSE Board syllabus which ensures better performance of students in Board Exam as well.

Course Duration: One Year

Class Timing: 4:00 PM – 8:45 PM (6 days in a week)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Eligibility: Class 11th appeared/passed.

Fast Track Program-FTP Junior for Class 11th

This is a special one year program for very bright students of class 11th who are selected after rigorous internal tests. In this program, the entire syllabus of class 11th is finished at JEE Advanced level, and some topics from class 12th are also dealt with.

Course Duration: One Year

Class Timing: 3:45 PM – 8:45 PM (4 days in a week)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA) + A Special Test of Selected Students.

Eligibility: Class 10th appeared/passed.

Fast Track Program-FTP Senior for Class 12th

The students of FTP Junior Batch are carry forwarded to FTP Senior Batch for class 12th. In this program, the entire syllabus of class 12th is finished well in advance and thus students are able to revise the whole IIT-JEE syllabus many times before they finally face the real exam.

Course Duration: One Year

Class Timing: 3:45 PM – 8:45 PM (4 days in a week)

Admission Procedure: Directed admission to FTP Junior students and through special selection test for outdoor students.

Eligibility: Class 11th appeared/passed.



View of Atlantis from ISS

This photograph was taken from International Space Station before the NASA space shuttle Atlantis was about to dock with the ISS.

Details of Target Batches

METTLE for JEE-Advanced

In this one year classroom program, students who have missed the first chance in IIT-JEE Advanced will be rigorously trained at JEE Advanced level. Irrespective of performance level of a student, **origence** ensures maximum personalized care to each individual student. For this our teaching team is available at our academic center from 9 am to 9 pm. We arrange regular IIT-JEE level monthly tests. The tests are followed by their complete solutions and analysis by our experts. The performance of students is communicated to parents through sms/email.

Considering the new pattern of JEE-Main from 2019, we have divided the Mettle batches into 2 phase.

(a) Batches starting before 30th June, will have their syllabus finished by last week of December, so that the students are prepared for the JEE-Main examination to be held in January and April both.

(b) Batches starting on or after 1st July, will have their syllabus finished by last week of February, so that the students are prepared for the JEE-Main examination to be held in April.

Course Duration: One Year

Class Timing: 9:00 AM – 2:40 PM (6 days in a week)

Admission Procedure: Through Admission-cum-Scholarship Test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Eligibility: Class 12th appeared/passed.

RESOLUTE for JEE-MAIN

This one year classroom program is specially designed for students aspiring for career in Engineering through NITs and other deemed Universities. The student who don't fulfil the eligibility criteria for JEE-Advanced, join this program. Irrespective of performance level of a student, **origence** ensures maximum personalized care to each individual students. We arrange regular JEE-MAIN level monthly tests. The tests are followed by their complete solutions and analysis by our experts. The performance of students is communicated to parents through sms/email.

Course Duration: One Year

Class Timing: 9:00 AM – 2:40 PM (6 days in a week)

Admission Procedure: Direct Admission

Eligibility: Class 12th appeared/passed.

ZENITH for JEE-Advanced

This is a special Target Batch for meritorious students who have missed IIT-JEE by a slight margin. The number of students in this batch is very limited and their selection is ensured after rigorous internal tests. The complete syllabus IIT-JEE is covered much in advance and the students are exposed to our 2-tier special revision program.

Course Duration: One Year

Class Timing: 9:00 AM – 2:40 PM (6 days in a week)

Admission Procedure: Through Internal Combined Tests / Direct Admission if a student has scored 200 or more than 200 marks in JEE-Main or if a student has his/her name in merit-list of JEE-Advanced.

Eligibility: Class 12th appeared/passed.

How to Apply ?

The candidates seeking admission in any of the **origence** classroom program will write & qualify the scholarship-cum-admission test called TripleP (PRATIBHA PROTSAHAN PARIKSHA).

Registration for TripleP:

The "TripleP" Application-cum-Scholarship Form can be obtained from **origence** administrative or academic offices. The filled forms can be submitted at least two days before the test date. Admit card for the test will be issued by **origence** office at the time of form submission. A student can attempt "TripleP" exam just once in one academic session. Any student who writes the test more than once in order to achieve more scholarship will be barred from taking admission in any of the programs in **origence**.



Sunset from ISS (Left Page)

An astronaut aboard the International Space Station photographed a sunset that looks like a vast sheet of flame. With Earth's surface already in darkness, the setting sun, the cloud masses, and the sideways viewing angle make a powerful image of the kind that astronauts use to commemorate their flights. Astronauts see the atmosphere like this roughly every 90 minutes, as they view sixteen sunrises and sixteen sunsets every day. Astronauts often comment on how thin and fragile Earth's atmosphere seems. Astronaut photograph ISS049-E-49442 was acquired on October 27, 2016, with a Nikon D4 digital camera using a 240 millimeter lens



Blackhole Cygnus X-1

Cygnus X-1 is located near large active regions of star formation in the Milky Way, as seen in this image that spans some 700 light years across. The photograph on this page is an artist's illustration on the right depicts what astronomers think is happening within the Cygnus X-1 system. Cygnus X-1 is a so-called stellar-mass black hole, a class of black holes that comes from the collapse of a massive star. The black hole pulls material from a massive, blue companion star toward it. This material forms a disk (shown in red and orange) that rotates around the black hole before falling into it or being redirected away from the black hole in the form of powerful jets

Triple P Test Schedule & Pattern

Pratibha Protsahan Pariksha

1. 11th USP & FLAIR

Eligibility: Class X appeared/passed.

Test Syllabus: Complete Syllabus of Class X PCM

Test Pattern: 90 Single Correct Choice Type Questions (30 each from Physics, Chemistry & Mathematics)

Test Duration: 3 Hours 15 Minutes (which includes 15 Minutes for reading instructions)

Marking Scheme: +3,0,0

Test Timings: 10:00 AM to 1:15 PM

Medium : English

Result declaration: Result is declared within 24 hrs of "TripleP"

2. 12th FUSION

Eligibility: Class XI appeared/passed.

Test Syllabus: Complete Syllabus of Class XI PCM

Test Pattern: 90 Single Correct Choice Type Questions (30 each from Physics, Chemistry & Mathematics)

Test Duration: 3 Hours 15 Minutes (which includes 15 Minutes for reading instructions)

Marking Scheme: +3,0,0

Test Timings: 10:00 AM to 1:15 PM

Medium : English

Result declaration: Result is declared within 24 hrs of "TripleP"

3. METTLE (Target JEE-Advanced)

Eligibility: Class XII appeared/passed.

Test Syllabus: Complete Syllabus of Class XII PCM

Test Pattern: 45 Single Correct Choice Type Questions (15 each from Physics, Chemistry & Mathematics)

Test Duration: 1 Hour 45 Minutes (which includes 15 Minutes for reading instructions)

Marking Scheme: +3,0,0

Test Timings: 10:00 AM to 11:45 AM

Medium: English

Result declaration: Result is declared within 24 hrs of "TripleP"



Going Supernova

While searching the skies for black holes using NASA's Spitzer Space Telescope, astronomers discovered a giant supernova that was smothered in its own dust. In this artist's rendering, an outer shell of gas and dust which erupted from the star hundreds of years ago - obscures the supernova within. This event in a distant galaxy hints at one possible future for the brightest star system in our own Milky Way.

Setting standards with authentic results

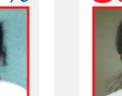
Selections in JEE-Advanced Under 5000 Rank

 2017 Akshat Singhal All India Rank (General) 257	 2015 Ayush Deva All India Rank (General) 1116	 2017 Nishant Kr. Gupta All India Rank (General) 1353	 2018 Priyam Singh All India Rank (General) 1555	 2018 Abhishek Awasthi All India Rank (General) 1584	 2018 Yashaswi All India Rank (General) 1765	 2016 Abhinav Anand All India Rank (General) 2415
 2018 Rohan Srivastava All India Rank (General) 2420	 2017 Shubham Kaushal All India Rank (General) 2535	 2015 Chandra Prakash All India Rank (General) 2737	 2018 Hiya Vithlani All India Rank (General) 2805	 2017 Maitreyee Srivastava All India Rank (General) 2832	 2017 Ayush Shivani All India Rank (General) 3101	 2016 Shivam Pandey All India Rank (General) 3305
 2017 Aditya Singh All India Rank (General) 3346	 2015 Chinmay Singh All India Rank (General) 3375	 2017 Varun Srivastava All India Rank (General) 3592	 2018 Tanmay Rai All India Rank (General) 3688	 2016 Tejesh Garvit All India Rank (General) 4013	 2016 Sanchit Singh All India Rank (General) 4062	 2015 Shubham Kumar All India Rank (General) 4264
 2018 Jeevesh Mishra All India Rank (General) 4365	 2017 Ravi Kr. Gupta All India Rank (General) 4386	 2017 Ishank Shekhar All India Rank (General) 4413	 2018 Ayushi Kunwar All India Rank (General) 4431	 2016 Yasharth Singh All India Rank (General) 4479	 2018 Prem Bhawnani All India Rank (General) 4710	 2016 Shivam Tiwari All India Rank (General) 4795

424 Students Selected in JEE Main 2018

 AIR 1629 (GEN) ABHISHEK AWASTHI Roll No. 33409081 DOB: 08/04/2000 School: CHS	 AIR 2294 (GEN) PARIMAN PATEL Roll No. 33409242 DOB: 14/11/1999 School: SNB	 AIR 2334 343 (GEN) (OBC) YASHASWI JAISWAL Roll No. 33405904 DOB: 22/05/2000 School: St. Joseph	 AIR 4032 (GEN) JEEVESH MISHRA Roll No. 73400633 DOB: 30/07/2001 School: CHS	 AIR 4783 (GEN) RISHI ROSHAN SINGH Roll No. 33405745 DOB: 16/08/1999 School: Jeevandeep P. School	 AIR 5229 (GEN) SHAIFALI SINGH Roll No. 33415082 DOB: 29/05/2000 School: DPS, Varanasi	 AIR 5675 (GEN) PREM BHAWNANI Roll No. 33403097 DOB: 14/12/1998	 AIR 5846 (GEN) ARJUN BAJPAI Roll No. 33407759 DOB: 16/10/2000 School: DPS, Varanasi
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52 Student Secure 90% and above Marks in 12th CBSE Board 2018

 97.4 % Hiya Vithlani R No. 5744960 C No. 5359	 97.2 % Arjun Bajpai R No. 5744959 C No. 5359	 96.4 % Harshita Jain R No. 5744959 C No. 5359	 96 % Revat Mehra R No. 5736604 C No. 5344	 96 % Shaifali Singh R No. 5744973 C No. 5359	 95.5 % Shashikala R No. 5732447 C No. 5338	 95.2 % Akash Verma R No. 5744006 C No. 5357	 95.2 % Shlok Gaur R No. 5732137 C No. 5338
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KVPY (Kishore Vaigyanik Protsahan Yojana) Results 2018

 Akash Sinha Roll No. A97020036	 Ayush Kaithwas Roll No. A97030115	 Divye Nayyar Roll No. X97020105	 Harsh Mohan Roll No. X97020063	 Pratyanshu Pandey Roll No. X97020215
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