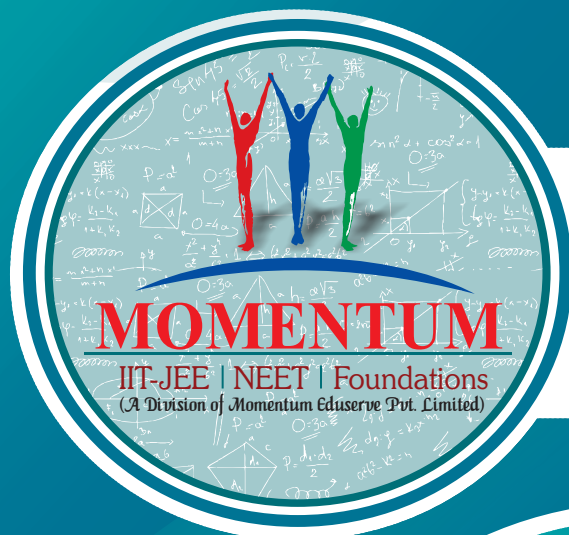


Since-2004

No. **1** in Eastern U.P.

*One Step Away
From Your Success !*



M-STAR 

6th Edition, 2021

Talent
HUNT
Exam

Examination Date

Sunday, 19th December, 2021

Timing 11:00 am. to 01:00 pm.



Eligibility

For Class **V to XII**
Studying Students



UP TO **100%**
SCHOLARSHIP



CASH
REWARD



COMPLETE PERFORMANCE
ANALYSIS



About **MOMENTUM**

MOMENTUM offers an unparalleled preparatory service for Engineering as well as Medical entrance exam and Foundation level exams through our distinct verticals named Momentum IIT-JEE/NEET/ Foundations. Every year our students achieved top ranks and display excellent result in engineering examinations such as JEE (Main & Advanced) and other state engineering exams. Our students have also performed extremely well in various exams like Olympiads/NTSE as well as board exams. Our classroom learning programs ensure personalized attention and aim at developing the conceptual knowledge of our students. Each course is designed to cater to specific students. Besides one year and two year courses for Engineering and Medical we also offer Foundation courses for the students of class 6 to 10 who are in the formative stages of preparation for the forthcoming entrance examinations. A good foundation always enhances the chance of success in future.

Here at **MOMENTUM**, our methodology makes a students capable of creatively resolving complex and tricky problems by improving and sharpening their analytical skills and parallel thinking process. Our concept is to provide thinking based education in a different innovative and affable learning environment. This has proved extremely beneficial to students of Gorakhpur and surrounding areas of Purvanchal.

Momentum was founded by Er. Sanjeev Kumar (B.Tech, IIT Dhanbad) in 2004.

Ever since it was started, **Momentum**, has been growing at a breathtaking pace. The institute has risen beyond all the expectations; as the volume and quality of results have proven the success of its mission & vision. The expertise and methodology of **MOMENTUM** have generated trust among students, parents and general public which distinguish us from others. We are the premier institution for IIT-JEE/ NEET in Eastern U.P.



M-STAR



Er. Sanjeev Kumar
Chairman & Managing Director, MEPL

The space for competition is never left with vacuum nor allowed to be left unchallenged also.

The **M-STAR** (Momentum Scholarship Test for Admission & Reward) is a knowledge and aptitude based Talent Hunt Exam. It is first of its own kind of Talent Hunt and Rewards examination in the region which gives a platform for the upcoming meritorious students of Eastern U.P. and Bihar to reward and nurture.

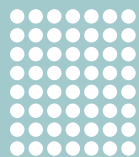
The objective of this examination is to discover inherent talent & to encourage students who have the capacity of original and creative thinking, readiness to solve unfamiliar and non-routine problems.

Every year M-STAR filters the best talent through rigorous testing and has set examples of transforming the top performers into IITians / Doctors.

M-STAR help the students to showcase his/her talent, which will boost his/her confidence to perform well in future competitive examinations & make way for a bright career ahead.

After conducting five successful versions, Sixth edition of **M-STAR** welcome all the students with a more refined structure and for more prizes than ever.

In its 6th edition now, M-STAR has already become most preferred Talent Hunt examination for the students of eastern UP and Bihar to compete and assess their potential & performance.



Why MOMENTUM

- 1. Value system :** Momentum is managed and controlled by Experienced, Competent and Qualified Academicians/Professionals. In our classroom learning program to performance analysis of each student has defined processes and structured Roles & Responsibilities.
- 2. Exhaustive and well planned course Structure :** We have taught thousands of students of eastern U.P. in 18 years and we know the nerve of this area. Our academic management and curriculum execution is planned and implemented keeping these students in mind.
- 3. Best Faculty :** We have a highly qualified well trained and experienced faculty.
- 4. Comprehensive Study Material :** To supplement the teaching, we provide customized study material which contain multiple level problems covering entire syllabus of School Boards & JEE/NEET.
- 5. Test and Analysis :** Our test papers strictly follow pattern of entrance examination for maximum benefit of students. Performance of each student is continuously evaluated and remedial measures are taken to improve performance. After completion of whole syllabus students are given 15 days break, then revision tests are conducted.
- 6. Individual Attention :** Our Unique doubt desk concept take care of personalized doubt removal of each student to enhance individual learning.
- 7. Impressive Past performance :** The cumulative results in IIT-JEE are unmatched by any other 'contemporary' institute in IIT-JEE Coaching in the region. Unprecedented Success since 2005 with more than 1000 selection in IIT-JEE, more than 5000 selections in JEE main & more than 2000 selection in UPSEE has created landmark in education sector of Gorakhpur region.

M-STAR AT A GLANCE

Eligibility: Class V, VI, VII, VIII, IX, X, XI & XII Studying Students.

Exam Fee: Rs. 100/- (Including GST)

| Class | Total No. of Question | No. of Questions Subjectwise | | | | | | |
|--|-----------------------|------------------------------|---------|-----------|---------|---------|----------------|---------|
| | | Maths | Physics | Chemistry | Biology | Science | Mental Ability | English |
| V, VI & VII | 60 | 15 | -- | -- | -- | 15 | 15 | 15 |
| VIII & IX | 60 | 20 | 10 | 10 | 10 | -- | 10 | -- |
| X, XI & XII (Medical Aspirants) | 60 | -- | 15 | 15 | 15 | -- | 15 | -- |
| X, XI & XII (Engineering Aspirants) | 60 | 24 | 12 | 12 | -- | -- | 12 | -- |

- Objective type questions with multiple choice options. The responses will have to be filled in **OMR** sheet provided. The duration of the exam is 2 hours.
- Maximum Marks 300 for each correct answer, + 5 marks will be awarded and for each wrong attempt, 1 mark will be deducted.



OFFLINE EXAM

| | |
|-------------|---------------------------|
| DATE | 19 December 2021 (Sunday) |
| TIME | 11:00 Am. to 01:00 Pm. |



LAST DATE OF REGISTRATION

The last date of receiving the duly filled-in enrollment form by post at the Registered Office/ by hand at Momentum Centre/ Online Submission is 17 December 2021

M-STAR CENTRES

Gorakhpur, Barhalganj
Deoria, Kushinagar
Khalilabad, Basti
Maharajganj &
Sidharthnagar



DATE OF RESULT DECLARATION
31st December 2021 (Friday)

RESULTS WILL BE DISPLAYED ON OUR WEBSITE
www.momentum.ac.in

SYLLABUS M-STAR

For Class V Studying Students

| MATHS (15Q) | EVS (15 Q) | MENTAL ABILITY | ENGLISH (15 Q) |
|---|--|--|---|
| Large Numbers Addition and Subtraction Multiplication Division Factors and Multiples Fractions Decimals | How our Body Works Health and Diseases Our Occupation Our Monuments Plants: How do they grow? Food and its Preservation Water Transportation Balance of Nature Saving Our Environment Animals: Useful to man | Patterns Analogy and Classification Geometrical Shapes Mirror and Water Image Direction Sense Test | Type of Sentences Subject and Predicate Kinds of Nouns Noun: Numbers Kinds of Adjectives Comparison of Adjectives Order of Adjectives Pronouns Adjective or Pronouns? Articles Simple Tenses: Present, Past, Future |

For Class VI Studying Students

| MATHS (15Q) | SCIENCE (15 Q) | MENTAL ABILITY | ENGLISH (15 Q) |
|---|--|--|--|
| Natural Number Whole Number Integers Fractions Decimals Introduction to Geometry Representation to Data Factor & Multiples | Measurement of Length and Time. Motion Light Fibre to Fabric Sorting Material into groups Separation of substances Food and its components Getting to know plants Body Movements | Break the Code Which one is different Analogy Analytical Reasoning What comes Next | Sentences Nouns Noun Number Adjectives Articles Pronouns Auxiliary and Model Verbs Verbs: Finite and Non-Finite Tenses Transitive and Intransitive Verbs Voice |

For Class VII Studying Students

| MATHS (15Q) | SCIENCE (15 Q) | MENTAL ABILITY | ENGLISH (15 Q) |
|---|---|--|--|
| Integers Fractions and Decimals Rational Numbers Exponents and Radicals Algebraic Expressions Lines and Angles Triangles Congruent Triangles | Motion Heat Electricity Fibre to Fabric Physical and Chemical Changes Acids, Bases and Salts, Water a precious Resource Nutrition in Plants, Nutrition in Animals Soil Weather, Climate and Adaptations of Animals to Climate | Break the Code Which one is different Analogy Analytical Reasoning What comes Next | Phrases, Clauses and Sentences The Nouns - Case Adjectives Articles Pronouns Verbs Tenses infinitives and Gerunds Participles Voice Reported Speech Adverbs |

SYLLABUS

M-STAR

For Class VIII Studying Students

| PHYSICS (10 Q) | CHEMISTRY (10 Q) | BIOLOGY (10 Q) | MATHS (20 Q) | MENTAL ABILITY (10 Q) |
|---|---|--|---|---|
| Force & Pressure Friction Light Chemical Effects of Electric Current | Pollution of Air and Water Metals and Nonmetal Combustion and Flame | Crop Production & Management Microorganisms Friend and Foe Cell-Structure and Functions | Rational Number Squares and Square Roots Cubes and Cube Roots Exponents Playing with Numbers Comparing Quantities Algebraic Expressions and Identities Linear Equations in One Variable Data Handling | Analytical Reasoning Which one is different Analogy What Comes Next Direction Sense |

For Class IX Studying Students

| PHYSICS (10 Q) | CHEMISTRY (10 Q) | BIOLOGY (10 Q) | MATHS (20 Q) | MENTAL ABILITY (10 Q) |
|-----------------------------------|----------------------------|---|---|---|
| Motion Force and law of Motion | Matter in our Surrounding. | Cell: The Fundamental unit of Life. Tissues- Plant and Animal. | Number System Coordinate Geometry Lines and Angles Triangles Herons Formula Linear equation in two Variables Statistics | Analytical Reasoning (Figure Counting) Cube and Cuboid Dice Coding and Decoding English Alphabet Alphanumeric Series Simplification for MAT |





For Class X Studying Students (Medical Aspirants)

| PHYSICS (15 Q) | CHEMISTRY (15 Q) | BIOLOGY (15 Q) | MENTAL ABILITY (15 Q) |
|---|---|------------------------------|---|
| Light- Reflection and Refraction Human Eye | Chemical Reaction & Equations Acid, Bases and Salts Metals and Non-Metals | Life Processes and nutrition | Clock and Calendar Matrix Ranking and Ordering Venn Diagram Syllogism |





For Class X Studying Students (Engineering Aspirants)

| PHYSICS (12 Q) | CHEMISTRY (15 Q) | MATHS (24 Q) | MENTAL ABILITY (12 Q) |
|---|---|--|--|
| Light- Reflection and Refraction Human Eye | Chemical Reaction & Equations Acid, Bases and Salts Metals and Non-Metals | Real Number Polynomials Pair of Linear Equations in Two Variables Introduction to Trigonometry Similar Triangles Coordinate Geometry Probability Area related to circle | Clock Calendar Matrix Ranking and Ordering Venn Diagram Syllogism |





• For **Class XI** Studying Students (Engineering Aspirants) •

|  PHYSICS (12 Q) |  CHEMISTRY (12 Q) |  MATHS (24 Q) |  MENTAL ABILITY (12 Q) |
|---|---|---|---|
| Unit, Dimension and Errors. Laws of Motion. Kinematics Work, Energy and Power Gravitation Centre of Mass and Collision Rotational Mechanics | Mole Concept Structure of Atom Classification of Elements and Periodicity in Properties Chemical Bonding and Molecular Structure Redox and Volumetric Calculation GOC Hydrogen | Sets Straight Lines Relations and Functions Statistics Sequence and Series Complex Numbers Quadratic Equations Limits. | Verbal & Non-Verbal Reasoning Series Analogy, Classification Coding and Decoding General Logical and Analytical Reasoning Problems Based on Figures Data Interpretation |





• For **Class XI** Studying Students (Medical Aspirants) •

|  PHYSICS (15 Q) |  CHEMISTRY (15 Q) |  BIOLOGY (15 Q) |  MENTAL ABILITY (15 Q) |
|---|---|---|---|
| Unit, Dimension and Errors. Laws of Motion. Kinematics Work, Energy and Power Gravitation Centre of Mass and Collision Rotational Mechanics | Mole Concept Structure of Atom Classification of Elements and Periodicity in Properties Chemical Bonding and Molecular Structure Redox and Volumetric Calculation GOC Hydrogen | Cell: The Unit of Life Morphology of Flowering Plants The Living World Biological Classification Plant Kingdom Structural Organisation in Animals Biomolecule Animal Kingdom | Verbal & Non-Verbal Reasoning Series Analogy, Classification Coding and Decoding General Logical and Analytical Reasoning Problems Based on Figures Data Interpretation |

• For **Class XII** Studying Students (Engineering Aspirants) •

|  PHYSICS (12 Q) |  CHEMISTRY (12 Q) |  MATHS (24 Q) |  MENTAL ABILITY (12 Q) |
|--|--|--|---|
| Electrostatics Capacitance Current Electricity Magnetic Effects of Current Magnetism and Matter Electromagnetic Induction Alternating Currents | Solid State p-Block (15th and 16th) Solution Haloalkanes and Haloarenes Alcohol, Phenol and Ether p-Block (17th and 18th) Biomolecules | Relations and Functions Inverse Trigonometric Functions Matrices Determinants Continuity and Differentiability Application of Derivatives Linear Programming | Verbal & Non-Verbal Reasoning Series Analogy, Classification Coding and Decoding General Logical and Analytical Reasoning Problems Based on Figures Data Interpretation |

• For **Class XII** Studying Students (Medical Aspirants) •

|  PHYSICS (15 Q) |  CHEMISTRY (15 Q) |  BIOLOGY (15 Q) |  MENTAL ABILITY (15 Q) |
|--|--|--|---|
| Electrostatics Capacitance Current Electricity Magnetic Effects of Current Magnetism and Matter Electromagnetic Induction Alternating Currents | Solid State p-Block (15th and 16th) Solution Haloalkanes and Haloarenes Alcohol, Phenol and Ether p-Block (17th and 18th) Biomolecules | Sexual Reproduction in Flowering Plant. Principle of Inheritance and Variation Human Reproduction Reproductive Health Molecular Basis of Inheritance | Verbal & Non-Verbal Reasoning Series Analogy, Classification Coding and Decoding General Logical and Analytical Reasoning Problems Based on Figures Data Interpretation |

SCHOLARSHIP

Engineering | Medical | Foundations

| Category | M-STAR Rank | Tuition Fee | Registration Fee | Admission Fee | Examination Fee | Books |
|----------|-------------|-------------|------------------|---------------|-----------------|-------------|
| A | 01 - 10 | 100% waiver | 100% waiver | 100% waiver | 100% waiver | 100% waiver |
| B | 11 - 20 | 100% waiver | Chargeable | 100% waiver | Chargeable | Chargeable |
| C | 21 - 50 | 80% waiver | Chargeable | Chargeable | Chargeable | Chargeable |
| D | 51 - 100 | 60% waiver | Chargeable | Chargeable | Chargeable | Chargeable |
| E | 101 - 200 | 40% waiver | Chargeable | Chargeable | Chargeable | Chargeable |
| F | 201 - 500 | 25% waiver | Chargeable | Chargeable | Chargeable | Chargeable |

*Separate merit list will be prepared for each Class.

* Not applicable for V, VI & VII



CASH Rewards*

Top 100 ranking students Medals & Certificates in each class will also be eligible for Cash Awards*. These Cash Awards are for those students who will be joining Momentum for Classroom Course.

| Rank | Medals | Amount | Certificate |
|------------|--------------|--------------|-------------------|
| 1 | Gold Medal | Rs. 20,000/- | Merit Certificate |
| 2 | Silver Medal | Rs. 15,000/- | Merit Certificate |
| 3 | Bronze Medal | Rs. 10,000/- | Merit Certificate |
| 4 to 10 | -- | Rs. 5,000/- | -- |
| 11 to 50 | -- | Rs. 2,000/- | -- |
| 51 to 100 | -- | Rs. 1,000/- | -- |
| 101 to 500 | -- | -- | -- |

*Necessary Information/Conditions about Cash Awards:

- Students will get total Cash Awards disbursed in two equal installments (1st award installment by 15th June 2022 & 2nd award installment by 15th November 2022).
- Cash Award shall be paid by cheque.
- To be eligible for Cash Awards, a student needs to maintain a minimum of 85% attendance in classes and tests conducted by MEPL failing which it will lead to discontinuation of that installment of Cash Awards.
- A student should maintain good performance i.e. score a minimum average of 50% marks in all Assessment Test conducted by MEPL failing which will lead to discontinuation of that installment of Cash Awards.
- The final decision in both cases i.e. Clause (3) and (4) vests with the Chairman & Managing Director MEPL and his decision will be final and binding on the student / parents.

Note: In case a student is found to have used unfair means during the MSTAR test, he/she shall be disqualified from the MSTAR Scholarship Scheme & Cash Awards.

IMPORTANT INSTRUCTIONS

1. Online Enrollment facility is available on our website: www.momentum.ac.in where the student can register for M-STAR and can further download his/her Admit Card for appearing in M-STAR with his/her Roll No. and Exam Centre Name.
2. **For Offline Enrollment:** Kindly fill in the M-STAR Enrollment Form and submit along with a self-attested photocopy of class IV/ V/ VI/ VII/ VIII/ IX/ X & XI mark-sheet (as applicable), 1 passport size colour photograph and cash /cheque/ demand draft of Rs. 100/- in favour of '**MOMENTUM**' at the centre. In case mark-sheet is not available, students can enroll by submitting a self attested photocopy of their Identity Card issued by the school.
3. The M-STAR test papers will consist of Multiple Choice Questions (MCQs) Single Answer, exam will be conducted on OMR (Optical Mark Reader) sheet.
4. M-STAR Sample Test Paper will be made available for the students.
5. Cash Awards* shall be paid by cheque. Installments will be paid by 15th June & 15th November of academic years.
6. **Meaning of Scholarship:** Scholarship means Fee Concession, Fee Discount, Fee Waiver, Cash Awards. If at any point of time, the Government decides to charge GST on the scholarship / concession amount / fee waiver then the GST shall be borne by the student / parent / guardian.
7. The merit list of successful candidates will be prepared by listing them in the descending order of the total marks scored by them. However, there may be ties and such will be broken by sequentially applying the following set of rule:

| Foundation (Class V & IX) | Medical | Engineering |
|--|---|---|
| (i). Candidate having higher marks in Science | (i). Candidate having higher marks in Biology | (i). Candidate having higher marks in Mathematics |
| (ii). Candidate having higher marks in Mathematics | (ii). Candidate having higher marks in Chemistry | (ii). Candidate having higher marks in Chemistry |
| (iii). Candidate having higher marks in Mental Ability | (iii). Candidate having higher marks in Physics | (iii). Candidate having higher marks in Physics |
| (iv). Candidate older in age to be preferred | (iv). Candidate having higher marks in Mental Ability | (iv). Candidate having higher marks in Mental Ability |
| (v). Girl Candidate | (v). Candidate older in age to be preferred | (v). Candidate older in age to be preferred |
| | (vi). Girl Candidate | (vi). Girl Candidate |

8. Hostel & Transport facility can be made available on a chargeable basis.

NOTE: In case a student is found to have used unfair means during the MSTAR Test, he/she shall be disqualified from MSTAR Scholarship Scheme & Cash Awards.



TERMS & CONDITIONS



1. Incomplete form will not be considered. It is compulsory to fill all the columns. Kindly attach all the required documents along with duly filled in Enrollments Form.
2. It is compulsory to provide Mobile No. & E-mail ID of the student / parent / guardian. The result of tests or any other information by the Institute will be sent to the student via SMS and / or E-mail. Institute shall not be responsible if any information regarding result or anything else does not reach the student if he/she has not mentioned his/her or Parent's/Guardian's updated & correct Mobile No. / E-mail ID in **MSTAR** Form at the time of enrollment. It is advised to write Phone No. & E-mail ID of either father or mother for right communication between institute & student.
3. During the Classroom Program at Momentum, a student must meet the following requirements failing which his/her free-ship program will be revoked with immediate effect. The decision of chairman & Managing Director, MEPL shall be final and binding to the students and the parents.
 - (a). **ATTENDANCE:** The attendance of the student in the coaching class should not drop below 85% throughout the Classroom program. It is compulsory for a student under this program to write all his/her class test papers conducted by the institute in his/her batch.
 - (b). **TEST MARKS:** The students will be required to maintain a minimum of 50% marks in their regular assessment test.
 - (c). Any act of indiscipline by the student brought to the notice of the administration of Momentum in the classroom, will not be accepted. A warning will be issued to such students, offering them another chance to improve their behaviour. Despite warning, If the student does not alter his/her attitude and commits another act of indiscipline, his/her candidature for the free-ship program will be revoked with immediate effect and can be struck off from roll.
 - (d). In case a student misbehaves/gets involved in negative activities like teasing, theft, indiscipline, use of abusive languages, he/she can be rusticated by the Centre Head and Fee paid shall not be refunded in such cases.
 - (e). If a student keeps himself/herself absent from the classes without prior permission from the Centre Head, then a warning letter will be issued against him/her. Despite the warning letter, If the student continues to default further and does not change his/her attitude, then the free-ship program of such student will be revoked with immediate effect.
 - (f). If a student continues to remain absent for more than two weeks due to health issues or any other reason without prior permission from the Centre Head, his/her candidature for the free-ship program will be revoked.
4. In case, any dispute or difference arises between student/parents and the Institute regarding the interpretation of these terms and conditions, non-payment of any claim or any dispute arising out of or in pursuant to these terms and conditions, the same shall be referred to sole arbitrator who shall be appointed by the Chairman & Managing Director of Momentum. The proceedings shall be conducted at Gorakhpur under the provision of Arbitration & Conciliation Act and the Courts at Gorakhpur only shall have the jurisdiction over the matter and/or for enforcement as the case may be. If an arbitrator to whom the matter is referred refuses to act or for any reason, does not enter the reference or after entering into the reference proceedings are abandoned or kept in abeyance or not proceeded with, it shall be lawful for the Chairman & managing Director of Momentum to appoint another person to act as an arbitrator in the manner aforesaid. Such person shall be entitled to proceed with reference from the stage at which proceeding was left by his predecessor, if both the parties consent to this effect, failing which the new arbitrator will be entitled to proceed de novo.



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