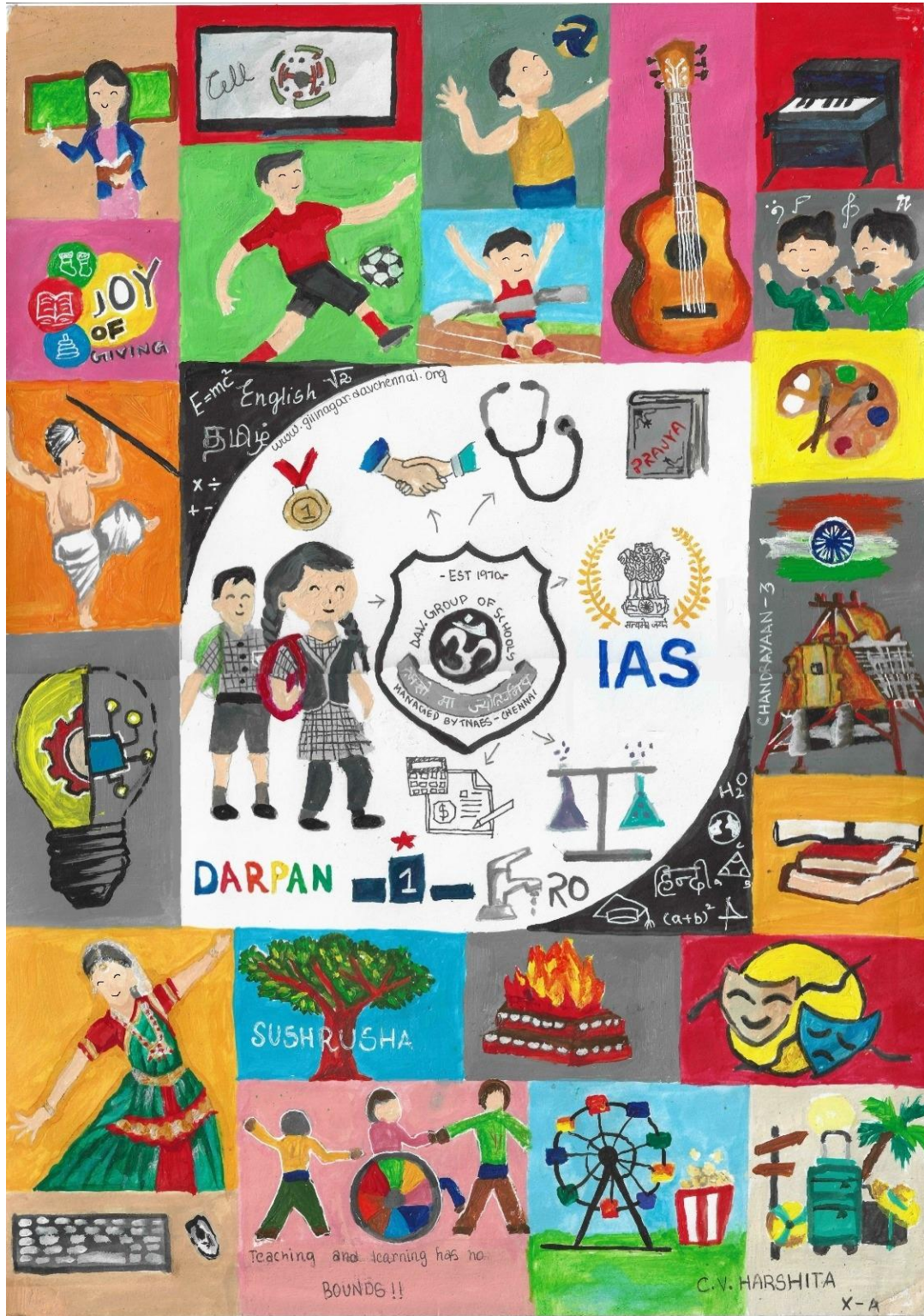


**DARPAN 2023-2024**



**D.A.V. MATRICULATION HIGHER SECONDARY SCHOOL**

**Gill Nagar, Chennai – 600094**



**DARPAN**

**2023 – 2024**

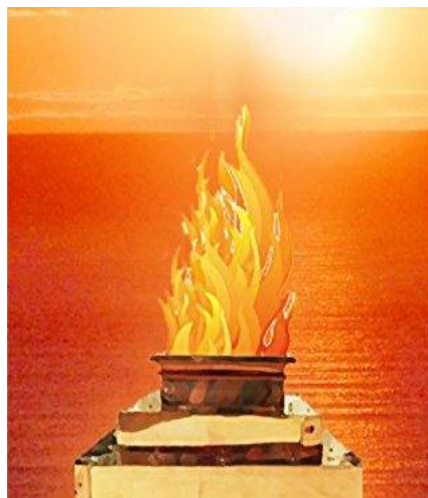
**VOLUME XXIV**



## TEN PRINCIPLES OF ARYA SAMAJ

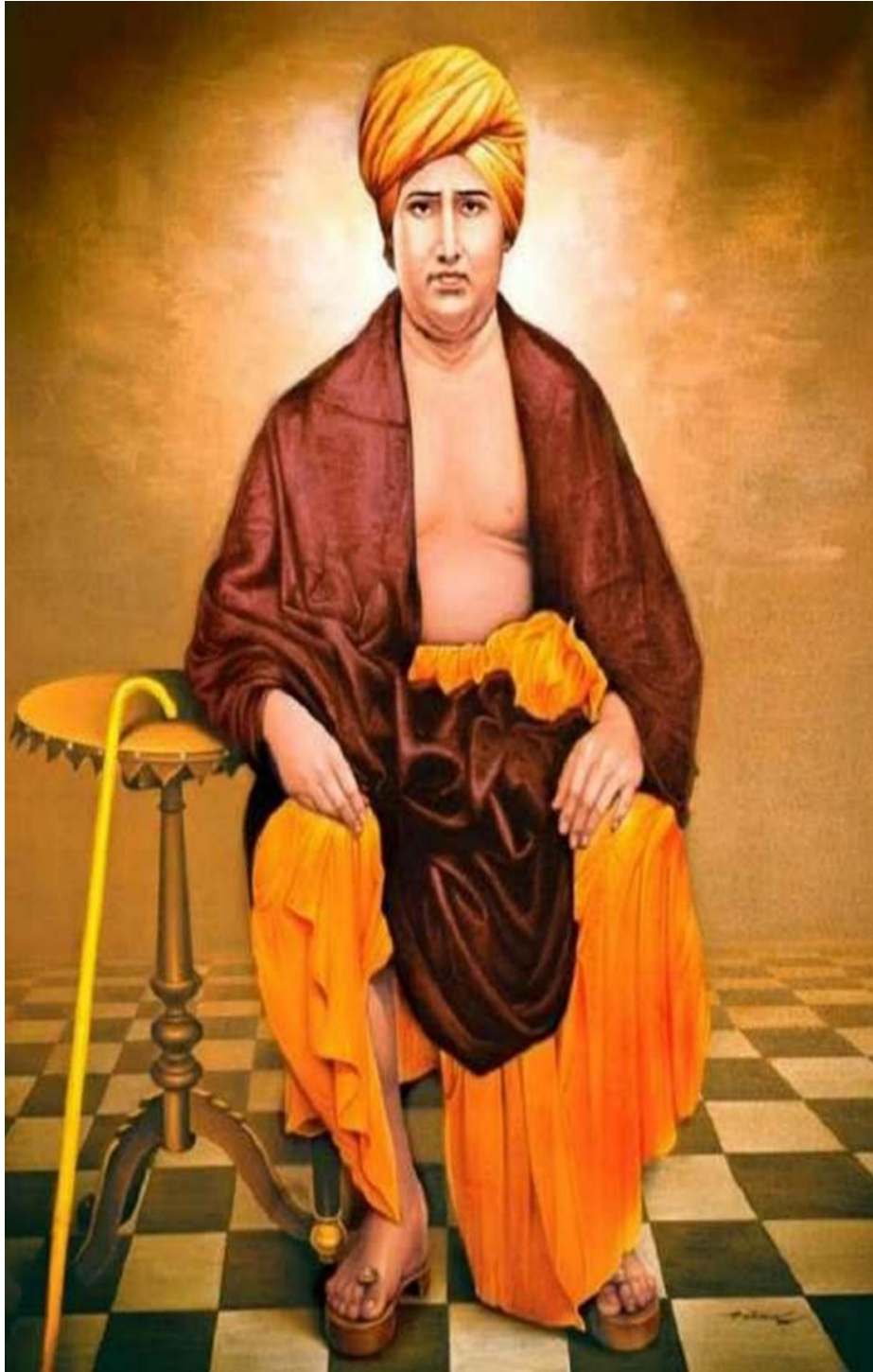


1. God is the Primary cause of all true knowledge and of everything known by its means.
2. God is all Truth, all Knowledge, all Beatitude, Incorporeal, Almighty, Just, Merciful, Unbegotten, Infinite, Unchangeable, Incomparable, Beginningless, the Support and the Lord of all, All-pervading, Omniscient, Imperishable, Immortal, Exempt from fear, Eternal, Holy and the cause of the Universe. To God alone, worship is due.
3. The Vedas are the scriptures of true knowledge and it is the paramount duty of every Arya to read or hear them read; to teach and preach them to others.
4. One should always be ready to accept truth and renounce untruth.
5. All actions ought to be done conformably to virtue after a thorough consideration of right and wrong.
6. The primary object of the Samaj is to do well to the world by improving the physical, spiritual and social conditions of mankind.
7. All ought to be treated with love, justice and due regard to their merits.
8. Ignorance ought to be dispelled and knowledge diffused.
9. None ought to be contented with his own good alone; but everyone ought to regard his prosperity as included in that of others.
10. In matters which affect the general social well - being of the Samaj, one ought to discard all differences and not allow his individuality to interfere; but in strictly personal matters every one may act with freedom.





## FOUNDER OF ARYA SAMAJ



**MAHARISHI SWAMI DAYANAND SARASWATI**





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## SECRETARY'S INDEPENDENCE DAY SPEECH 2022-2023

Respected, Dr. Ravi P, Dean – NIOS and Institutional Outreach other members of the Management, Principal, Teachers, Supporting staff, Parents & my dear students. Namaste to one and all present here.

It gives me immense pride and honor to be here with you on completion of 75 years of our independence. Almost all of us have been born in free India. When something is available since birth, we tend to take that as given because we have not seen life otherwise. In much the same way, as all of you may not have seen what life is without internet and mobile.

But, that freedom which is taken as “given” for all of us, was “not given” for almost a millennium or a thousand years. Multiple dozens of generations went through a period of slavery and subjugation. We all have heard of the immense sacrifices our forefathers made to earn this freedom back! Independence Day is a day of remembrance of those sacrifices.

But, today, I am going to invite you to reflect on not how we got our freedom, but also how we lost it. All of us have seen Russia struggling after invading Ukraine, US left Afghanistan in haste in August last year and China threatening for decades, but still not attacking Taiwan which is a much smaller country, and is just 100 miles away from mainland China. In each of these, the invader is geographically much larger and militarily, significantly more powerful than the invaded. And each of the invading countries, in this age, could flatten entire cities without putting a boot on ground, and even if they had to put, they could airlift thousands in a matter of hours. Yet, history tells us that invading countries, no matter how much larger or more powerful they may be, have almost always faced the ignominy of failure at a huge cost of life and money.

But, go back 300 years and think about it, England – a country of the size and population less than 5% of Indian subcontinent, at a distance of 5,000 miles conquers the entire Indian subcontinent. In fact, it was the East India Company that conquered us, it was not even a country. And thereafter, British stayed here for 200 hundred years; and very successfully. While US bled financially in Afghanistan spending 2.3 trillion in 10 years, British plundered \$ 45 trillion from India. To put it in perspective, our GDP in 2021 is \$ 3 trillion.



And we were no Africa in the 16<sup>th</sup> century when the first European ships arrived on our shores, neither in the 10<sup>th</sup> century when the first Arab invaders struck at our northern borders. We were the most ancient civilization that had not just survived, but rather thrived. Did we not know to fight? We did. We had a legacy of martial valour right since the ancient times in Ramayana and Mahabharata. Economically, we were what US is today to Global economy, 25% of Global GDP, may be even more when we were first invaded in 10<sup>th</sup> century AD. Our prosperity and wealth attracted traders all over the world much as our knowledge attracted learners from all over. Much again like the US has been since World War II.

But, with all this going so well for us, and having built these strengths over many millenniums, what led to us being so weak that we were taken over by tribes and countries which were a fraction of what we were? While wealth and prosperity does attract predators, but how deep would have been our weaknesses that predators across the world, be it the British, Portuguese, French, Dutch, and before that the Arabs, Mongols and Turks found it worth taking a chance to travel tens of thousands of miles, which would have taken them months together and still, conquer us. And stay put here and subjugate us for a thousand years.

At the core, it was denying knowledge or learning that led to many evils, most prominent among being compromising the unity of our society. And not any outsider, we were responsible for this.

1. India was a land of learning. The Gurukula system then was not confined to spiritual learning or learning the recitation of Vedas. It included diverse subjects like Mathematics, Metallurgy, and Architecture etc. And it was not restrictive. It was open to all. Girls included. That is why we had women scholars such as Gargi and Maitreyi in ancient India.

But, at some stage, keeping it brief due to paucity of time, personal self-interest took over. Education became restrictive and, in many ways, limited as well. It was denied to women and so called “lower castes”. If Education is empowerment, its denial to large sections of society, and over hundreds of generations led to utter disempowerment and disenchantment. The self-interests that denied learning, found power and influence being concentrated in their own hands. And this power corrupted them.

2. This led to the second malaise i.e., Division: We need not credit the British for dividing us, we were divided much before they came. Absolute power with few and no education to the majority led to the latter being subjugated at the hands of a few. Promulgation of self-interest by those few, corrupted every aspect of our lives. Birth-based caste system substituted the employment-based

caste system denying the right to education and subsequently, choose one's profession. Thus, large sections of our society felt deprived for thousands of years and hence, fell apart from the mainstream. These deprived sections, in particular, became easy targets for conversion to other faiths and thus, led to armed struggle between the sons of the same soil, who now belonged to competing faiths. Even within the dominant faith over this period, Hinduism, weird man-made stories and superstitious beliefs fragmented us in innumerable smaller groups.

3. Just as India, then called Bharatvarsh, was not built overnight, its destruction also took ages. A vicious loop of ignorance and division began playing out one generation after another for hundreds of generations, breeding incompetence and narrow self-interest. We got weaker politically, militarily and socially with each generation. At the same time, wealth and prosperity continued to increase. Thus, no wonder, we were called the Golden Sparrow, that would attract all, but defend against none. Imagine, just about anyone from across the Globe attempted to take a chance at the Indian Golden sparrow, no matter how far it may have been and how risky the way could be. Today, on this momentous occasion, I would invite you to take a pause and as you salute the tricolour, reflect on how we lost and how much we did!

This reflection also holds the key to the reasons of our freedom. The British were forced out due to an awakening over 70 years among increasing sections of our society that made it difficult for them to stay. At the root of that awakening was the social-political movement that began correcting the wrong over millenniums that I spoke of. The concept of one God was recognized. They laid the foundations of an egalitarian society by challenging the concept of birth-based caste system that was the primary divider of the country. Thus, the primary dividers of the society were challenged in favour of empowered unity. Vedas, which everyone accepted, but none understood, leave alone followed, became the foundation of a clean-up. Dalits were adopted back into the mainstream.

Education was thrown open to all, including women. It led to sections of the society rising against blind faith and superstition. This fearless awakening also led to challenging the presence of Foreign Rule. The swadeshi movement, of which DAV School is a product, began before Congress was born. It challenged British Institutions and sowed the seeds of Nationalism among common man. The list is long... but the gist is that it became a struggle of increasing sections of society that first felt empowered removing their own self-imposed shackles of subjugation and then challenging the ones imposed by the Imperialists.

The doing and undoing of India which was called Bharatvarsh was spread over millenniums. It will be preposterous to think we have made up for this self-inflicted damage in just 100-150 years. Getting the British out 75 years back, who numbered around 2-3 lakh (0.1% of the population) was indeed cause for celebration, which is why we are here today. But it is time to dedicate ourselves to the larger cause of Nation building. Specifically, three suggestions:

1. Do not go by what I said today. Do your own research on the causes of our downfall. It will lead to an understanding on how we have risen so far and what we need to do to continue doing so? In that story, you will find a role for yourself. This institution will give you enough opportunities to discover the story of our independence, because it is, as I mentioned earlier, also a product of that very same story.

2. Almost all of you will become voters in the next 5-10 years. Ensure that you exercise your choice in favour of good governance. Governance cannot be bought by offering freebies, populist as they may be. Or by narrow considerations of candidate being of the same caste or religion. Rise above these while exercising your franchise.

3. No matter which profession you choose, you would come across choices where personal interest may conflict against larger interests of society or nation. Always put the nation and society before self.

It has been my privilege to speak to you today. I am sure some of what I spoke stays and stays long enough in your minds and hearts to lead you to a greater and more meaningful contribution to Nation Building!

Jai Hind!





## SECRETARY'S REPUBLIC DAY SPEECH 26<sup>th</sup> JAN- 2023

Respected Chief Guest Smt. Venmathi P R., I.P.S, members of the Management, Principal, Teachers, Supporting staff, Parents & my dear students. Namaste.

We have gathered today to celebrate the 74<sup>th</sup> Republic day of this great nation. Taking a moment to be proud about our vibrant democracy, I would today like to highlight the historic step taken by our Honorable Prime Minister Shri Narendra Modi of renaming 21 islands at Andaman & Nicobar after our Param Veer Chakra Awardees. This was very aptly done three days back on Jan 23, 2023, which is also known as 'Parakram Diwas' marking the birth anniversary of Netaji Subhas Chandra Bose.

My dear children, renaming these islands is symbolic. But what it does, is to remind ourselves of the immense struggle faced by our freedom fighters at 'KaalaPaani' or the 'Cellular Jail' located at Port Blair, which to say the least was absolutely draconian. The torture our freedom fighters underwent over there was nothing less than that faced by the Jews – though unfortunately this darkest chapter of India's Independence struggle has been kept out of the mainstream narrative.

Surrounded by hundreds of miles of ocean in every direction, the Kaalapaani was designed with the sole purpose of keeping the men in isolation, providing absolutely no hope of escape. At the centre of this massive three-storey structure stood a tall watch tower, out of which shot seven long concrete wings, like spokes on a wheel. Each wing had rows of single iron-gated cells – 693 in total. Each cell was about 15 ft × 9 ft, i.e. just 135 sq ft in size with a ventilator located at a height of 10 ft.

After crossing the "black waters", a journey that would last days, the daily grind that awaited the prisoners was something that had been designed by the British to not only demoralise the men but to completely break them. Scotsman David Barry, the jailor, was infamous for his insane cruelty. "While you are here, I am your God," was the cry with which he welcomed prisoners. One of the grueling tasks was in the oil mill that caused many of the men to collapse from exhaustion. Our freedom fighters had to manually turn a large wheel, which would press and squeeze coconuts for oil. They were expected to produce 30 pounds (13.6 kgs) of oil a day, a huge amount that most were unable to complete in one work session. It drove some to insanity.



Once the inmates had finished the day's arduous labour, their reward was to spend their evenings shackled on the floor in solitary confinement. Left alone in this iron-gated cell, each prisoner would sleep beside two small, clay pots: one for water and the other to be used as a toilet. So small in size were the clay pots, that the men had a difficult time in using the empty pot effectively. Some were said to be so desperate that they resorted to using the bare floor!

The jail over the years housed numerous freedom fighters such as BatukeshwarDutt and Veer Savarkar, among others. Vinayak Damodar Savarkar later wrote that as the gates of the prison shut behind him, he felt he had "entered the jaws of death". He continued: "I heard a whisper going around among the warders that David Barry, the self-declared 'God of Port Blair', was coming. They seemed to have seen none more cruel and hard-hearted than he, and they watched my face to see what impression that name had made upon me."

While the prisoners were tortured and humiliated, Barry and the other British officials lived in opulence across the water on Ross Island. Just 3 kms away from Port Blair, this is a small island which served as the administrative headquarters for the British. The island had all modern facilities including tennis courts, a bakery, church, club house and a swimming pool overseeing the vast ocean. Some of our freedom fighters had to work there throughout the day for the maintenance, upkeep and cleanliness of the luxurious island, which came to be known as 'The Paris of the East'.

Interestingly, During World War II, the British abandoned the Andaman Islands in haste due to advancing Japanese Forces, thus allowing the Japanese occupation of the Islands, who then ruled the territory for 4 years from 1942 to 1945. During this period, Japan built heavy military infrastructure in these islands and it was used as a forward surveillance base for its fighter planes. The Cellular Jail ironically then became home to a few British prisoners. The great visionary, Netaji Subhash Chandra Bose, who had built the Indian National Army (INA), partnered with the Japanese with the intent of overthrowing the British. He briefly visited the Andaman Islands during the period and hoisted the Indian National Flag for the first time at Port Blair.

The Port Blair airport was renamed in 2002 after freedom fighter Vinayak Damodar Savarkar. In December 2018, the same Ross Island which was known as 'The Paris of the East' was renamed as the 'Netaji Subhash Chandra Bose Island' once again by Shri Narendra Modi.

The Cellular jail complex now serves as a national memorial monument and is open for public viewing. There is also a Light and Sound show in the evenings, wherein an old peepal tree which stood as a mute witness to the tortures meted out to the freedom fighters and stands tall even today, chronicles the dark history of the Kaalapani.

We keep going on various holy pilgrimages. However, I suggest that if there is one place where every Indian should go for a holy pilgrimage – it should be Port Blair. It is just a 2-hour flight away from Chennai.

While renaming these 21 islands at Anadaman on January 23rd, Shri Narendra Modi very aptly remarked - “When history is being made, the future generations should not just remember, assess and evaluate it, but should also find constant inspiration from it.”

Jai Hind





## MESSAGE FROM THE PRINCIPAL'S DESK



Shri. Ramana Velavan V. M.Sc., M.Ed.

Tribute to Swami Dayanand Saraswathi on his 200<sup>th</sup> birth anniversary:

A versatile genius, social reformer, educationist, benefactor of humanity and harbinger of the national movement “The Arya Samaj.”

The importance of Education in the life of an individual cannot be understated. It shapes individuals in their formative years and imbues them with values that would govern all their choices in life.

We believe that moral values such as kindness, courage, humility, honesty, truthfulness, integrity, respect, hard-work, tolerance, compassion, empathy, and inclusivity are extremely important to be instilled from an early age, to build a child's character, as it forms the very core of their being and becomes the foundation of their moral beliefs throughout their lives.

It is absolutely important to teach moral values to students because it is then that they take their first step towards life and it matters that they do it right. These moral values shape their attitudes, beliefs, and ideas and help them develop into courageous and morally strong individuals.

Remember that it is our role as parents and care-givers to put our time and effort into imbibing these values in our children, as it is from their parents and teachers that children are inspired the most.

Children are extremely keen observers and they follow what they see. So, it is by role modelling that you can pass on this priceless treasure of virtues to your children who will in turn, pass it on to the generations to come and ultimately make the world a better place to live in.

Jai Hind





## ANNUAL REPORT

**“Education is the key to the development of a society”**

**-Swami Dayanand Saraswati**

Namaste one and all!

Distinguished Chief Guest Dr. Gautham Krishnamurthy, Surgical gastroenterologist, an alumnus of our School, Shri. Vinay C Parikh-President of Arya Samaj Educational Society, Shri Rajeev Choudhry & Smt. Parmila Gauhar - Vice Presidents, Shri Vikas Arya - Honorary Secretary of Tamil Nadu Arya Samaj Educational Society, Shri Atul Nangia - Joint Secretary, Shri. Yogesh Kalia - Convenor of our School & DAV Girls Senior Secondary School, Mogappair, Smt Mamta Kalia, Shri Peeyush Arya – governing body member, Shri Vijay Kumar Gauhar - governing body member, Smt Shanthy Asokan - Director - Education and Innovation, and other Members of the Management, Smt Radha Venkatesh, Principal D.A.V. Girls Senior Sec. School, Gopalapuram and other Principals, Head Mistresses of DAV Group of Schools, Smt Meenakshi, Head Mistress, Teachers, Alumni invitees, Parents and Students of our school.

On this 25<sup>th</sup> annual day celebration, looking at our journey in serving the cause of education, we feel elated to recall that in 1999, the school first came up with class XI, comprising of 123 students and now has grown into a full-fledged school from L.K.G to standard XII.

I am indeed honoured to have this opportunity to present the Annual Report on the prime activities of our DAV Matriculation Higher Secondary School, Gill Nagar for the academic year 2022-23. The school reopened on 6th June 2022, with a strength of 1226 students and 73 staff (53 teaching staff, 3 office staff and 17 supporting staff) The year 2023 commenced on a wonderful note when the results of the State Board Examination for classes 10, 11 and 12 were announced. Our academic achievements reflect the students’ diligence and teachers’ arduous efforts.

We are happy to share the details of the commendable performance of our students.



## Academic Results 2022-23 (Class XII)

100 students appeared for the class XII Board examination in March 2023.

**N. Dharshini of XII A** emerged as a school topper with a stellar score of **596 / 600 in Biology group.**

**Nimmagadda Srilakshmi Yaraswini Devi of XII B** secured **589/ 600 in the Computer Science group.**

**M. Malavika** in Commerce group secured a total of **590 / 600.**

### A bird's view of the Subject Average

| Subject          | No. Appeared | Above 90% | Average |
|------------------|--------------|-----------|---------|
| Tamil            | 72           | 14        | 71      |
| Sanskrit         | 28           | 18        | 87.03   |
| English          | 100          | 21        | 82.76   |
| Physics          | 78           | 23        | 79      |
| Chemistry        | 78           | 32        | 84.28   |
| Mathematics      | 78           | 7         | 65.12   |
| Biology          | 22           | 11        | 85.31   |
| Computer Science | 56           | 39        | 91.61   |
| Economics        | 22           | 18        | 92.77   |
| Commerce         | 22           | 18        | 94.5    |
| Accountancy      | 22           | 20        | 94.5    |
| Buss. Maths      | 22           | 11        | 86.5    |



This year we have had 6 centums each in Computer Science and Accountancy, 5 in Chemistry, 4 in Commerce, 2 in Economics and 1 each in Biology and Business Maths. All students graduated with flying colours and joined various institutions, as follows.

|                                       |    |
|---------------------------------------|----|
| Government / Private Medical College  | 2  |
| Anna University (Guindy Campus)       | 2  |
| Anna University affiliated colleges   | 35 |
| Deemed / Private Engineering colleges | 33 |
| Physiotherapy                         | 1  |
| Architecture – MEASI                  | 2  |
| Arts, Science and other courses       | 22 |
| NEET Repeaters                        | 5  |

### **Class XI:**



102 students appeared for the class XI Board examination in March 2023.

### **Commerce group:**

**S. Rishikanth** with the highest total **592 / 600** was the school topper.

### **Computer Science group:**

**A. Keerthana** secured a score of **583 / 600**.

### **Biology group:**

**S. Krishna Prasad** secured a total of **560 / 600**.

| <b>Subject</b>   | <b>No. Appeared</b> | <b>Above 90%</b> | <b>Average</b> |
|------------------|---------------------|------------------|----------------|
| Tamil            | 63                  | 19               | 75.66          |
| Sanskrit         | 39                  | 12               | 83.07          |
| English          | 102                 | 22               | 78.85          |
| Physics          | 84                  | 18               | 75.46          |
| Chemistry        | 84                  | 8                | 75.80          |
| Mathematics      | 84                  | 2                | 59.70          |
| Biology          | 30                  | 2                | 69.4           |
| Computer Science | 54                  | 15               | 83.03          |
| Economics        | 18                  | 4                | 74.38          |
| Commerce         | 18                  | 4                | 82.44          |
| Accountancy      | 18                  | 11               | 87.66          |
| Buss. Maths      | 18                  | 4                | 73             |

### Centums:



We are happy to highlight that we have had 3 in Accountancy, 3 in Computer Science, 1 each in Economics and Commerce and 2 in Physics.

### Class X – Board examination results:



100 students appeared for the Class X Board Examination in April 2023.

**M.Priya secured the first position with a majestic total of 494 /500,**

**M.Harini stood second by scoring 491 / 500 and**

**M.Jananii was placed third position with a score of 483 /500**

### Centums In Class X:




It's a pleasure to highlight that 7 of our students scored centum in Mathematics, 3 in Science and 1 in English.


| Subject        | Above 90% | Average |
|----------------|-----------|---------|
| Tamil          | 30        | 80.58   |
| English        | 52        | 88.07   |
| Mathematics    | 51        | 82.94   |
| Science        | 48        | 86.44   |
| Social Science | 13        | 73.37   |

### Gill Nagar Chronicle 2022-2023


The academic year began on **6<sup>th</sup> June 2022** for classes LKG & UKG, and on **8<sup>th</sup> June 2022** for classes I to VIII & X. The school was reopened on **21<sup>st</sup>** for classes IX & XII due to non-availability of high school teachers. The teachers were absorbed for X, XI & XII paper correction work. For class XI, the school was reopened on **27<sup>th</sup> June 2022**.


On **13<sup>th</sup> July 2022**, **Guru Purnima Divas** was celebrated to honour the teacher or Guru by promising to be sincere with the learning process. Our students performed Havan and delivered speeches highlighting the importance of the day.

On **15<sup>th</sup> July 2022**, **PerunthalaivarKamarajar's 120<sup>th</sup> Birthday**  was celebrated as Education Development Day. Our school had conducted various competitions like speech, essay and poem writing in Tamil. They performed a skit highlighting the honest life of the legend Kamarajar.

The **Investiture ceremony**  was an occasion to celebrate the indomitable spirit of resilience and empathy and felicitate the new torch bearers of the student body. In our school, the whole process of the democratic elections was held in an organized and seamless manner. The candidates shared their vision in their manifesto and the campaigning was kick started on 6<sup>th</sup> July 2022, and the election was conducted on 8<sup>th</sup> July 2022 following all the procedures of democratic elections like ballot box, ballot paper, ink marking etc., The newly elected student council was sworn in at the Investiture Ceremony held on **20<sup>th</sup> July 2022**. The newly formed Council – SPL, Sports Secretaries, Cultural Secretaries, House Captains, House vice Captains and Prefects were honoured by our Convenor Smt. Nishi Nangia along with our Principal Shri.Ramana Velavanji. The ceremony not only celebrated the achievement of the selected students but also aimed to instil a sense of responsibility and commitment among the entire student body.


In a small step towards girls' safety, the female students were sensitised about simple self defence techniques in identifying the good touch and bad touch through an awareness program on **“NO TOUCH” for classes IX to XII** which was conducted by the Inspector of Police, Choolaimedu.


Our **Annual Sports Meet was held on 11<sup>th</sup> August 2022**  at Jawaharlal Nehru Stadium along with the Mogappair Cluster Schools. The Chief Guest of the day was Mr. Asia (2016) Shri. Balamurugan. The day was started off with the Olympic Torch Lighting ceremony, followed by the march past of all four houses. After the march past, the students of the four different houses competed against each other in sports events like relay races, 100 metres race, 200 metres race, long jump, and high jump. The over all trophy was bagged by Ganga House and March Past award was bagged by Krishna House. The sports meet was a grand success with many events being conducted for students and staff members.

On **15<sup>th</sup> August 2022**, **our School observed the Independence Day**  with dignity and honour. The ceremony started at 7 AM in the Primary school premises with a large crowd of students, parents and teachers. Our Honorary Secretary Shri. Vikas Arya was the Chief Guest of the event. He gave a speech on Azadi Ka Amrit Mahotsav the theme of India's Independence Day of the year, which means “The elixir of Freedom celebration”. Dr. P. Ravi, Dean NIOS was the Guest of





Honour. Our School organised various activities to nurture patriotism, including flag hoisting, cultural dances, speeches, songs with patriotic fervor.

On **23<sup>rd</sup> August 2022**, an awareness program on “Drug Abuse”  for classes IX to XII was conducted by the Inspector of Police, Choolaimedu. It was aimed to sensitize the student community on the harmful effects of drugs and alcohol addiction.


Our **24<sup>th</sup> Annual Day** was celebrated on **1<sup>st</sup> September 2022**  at Narada Gana Sabha. Shri. S. Saketharaman, Carnatic musician, Founder- Kala Shiksha music school was the Chief Guest. The Guest of Honours were Smt. Shanthi Asokan, Director, and Shri. Atul Nangia, Joint Secretary, Smt. Nishi Nangia, Convenor Gill Nagar, Board members, Principals and Head Mistresses of other branches of DAV group of schools graced the occasion. The theme of the Annual day was “Pancha Maha Yagna”. The activities included Invocation dance, toddlers dance, singing, drama, mime, skit, etc., focusing on the theme “Pancha Maha Yagna”. The event was a huge success, with over 500 students and parents in attendance. The performances were entertaining and appreciated well by the audience.


On **5<sup>th</sup> September 2022**, **Teachers’ Day** was celebrated. **Param Vir Chakra Oratorical competition** for classes VI to VIII, Essay Writing competition for classes IX & X was conducted.


On **12<sup>th</sup> September 2022**, the **Inauguration of Vidya Saadhan**  (Stationery Shop) was arranged. Convenor Smt. Nishi Nangia, Chief Operating Officer, Shri S. Balaji, Accounts Officer Shri. N. Suresh from Head Office attended the function. Setting up a stationery shop run by commerce students at school helped them to understand accounts. It is a great practical learning initiative. It not only offers students a hands-on experience with accounting concepts but also teaches them valuable skills in entrepreneurship, financial management, customer interaction and also gives them insights about Accounts management, Inventory handling, Shop maintenance, Cash Handling, Bank Account Handling etc.,


**Educational tours**  offer numerous benefits for school students beyond the classroom environment. These experiences provide a unique opportunity for students to learn “Real world Application, Cultural Exposure, Experiential Learning, practical exposure to subjects, appreciation of Nature and Life long memories”. From **17-10-22 to 20-10-22**, **Boys of classes IX to XII**

were taken to Kanya Kumari and the Girls of classes IX to XII were taken to Mysore. It provided them a rich and multifaceted learning experience that goes beyond traditional class room setting.

The School hosted a vibrant and creative  **Rangoli Competition on 29<sup>th</sup> October 2022** for the classes VI to IX, as part of its ongoing efforts to celebrate cultural diversity and promote artistic expression among its students. The event aimed to provide a platform for students to showcase their artistic talents and deepen their connection with traditional Indian art forms.

On **6<sup>th</sup> Novemeber 2022**, a **Quiz Competition named “Pattam”**  was conducted by Dina Malar for the classes of VI to XII. The quiz encompassed a diverse range of topics, including history, science, literature, current affairs, sports, and general knowledge. The competition was designed to test participants' depth of knowledge and their ability to think quickly under pressure.

The vibrant and innovative spirit of D.A.V. was on full display during the **Adzap Competition held on 8<sup>th</sup> November 2022**  for the classes XI to XII at our Prayer Hall. This exciting event brought together students from various disciplines to showcase their creativity, marketing skills, and quick thinking in a dynamic and entertaining setting.


The halls of our school resonated with the rhythm of words and emotions during the **Poetry Competition held on 19<sup>th</sup> November 2022**  for classes VI to XII. It was organized to **honour Param Veer Chakra Awardees** of our Nation. This evocative event brought together a diverse group of students who transformed their patriotism, thoughts, feelings, and perspectives into captivating verses that touched the hearts of the audience.


On **26<sup>th</sup> November 2022**, a **Career Counseling session for Classes IX & X was conducted by Major General NRK Babu** which highlighted the career in Defence Forces. By providing insights into physical fitness, mental resilience, selection processes, and career trajectories, Major General NRK Babu empowered our students to make informed decisions and pursue fulfilling and impactful careers in the defense sector.

On **29<sup>th</sup> November 2022**, Vel's University along with Dina Malar Conducted **“Badhil Sol, America Sel” - Quiz programme**, for the classes VI to XII at our Higher Secondary Wing. It was a well-executed quiz programme, which had the potential to be both entertaining and educational, fostering a sense of curiosity and healthy competition among participants.


A Seminar on “**International Day on Violence against Women**” was conducted by Periyar Science and Technology, Chennai on **29<sup>th</sup> November 2022**. Dr. V. Devaki, Psychology & Child Health Care, was the speaker. It was organized for girl students of classes VIII to X. Violence against young women is a pressing issue that affects their physical, emotional, and psychological well-being. This seminar provided an overview of the problem, its underlying causes, and strategies for prevention and intervention to ensure the safety and empowerment of young women.

Mathematics is a fundamental subject that plays a crucial role in education and daily life. Its importance in school curricula extends beyond calculations and formulas, influencing problem-solving skills, critical thinking, logical reasoning, and even career opportunities. Keeping this in mind, “**Raising a Mathematician**” an initiation to mentor the girl students of classes VII to IX, was conducted on **1<sup>st</sup> December 2022**. A weekly session from January 2023 to March 2023 was arranged by the school.


To appreciate **Mahakavi Bharathiyar’s**  invaluable contribution to our nation's literary development, his **141<sup>st</sup> birthday was celebrated as “Tamil Mozhi Naal” on 12<sup>th</sup> December 2022**. His legacy has left an indelible mark on our society, inspiring generations to strive for excellence, to champion social equity, and to uphold the values of unity and diversity. Students of Classes VI to VIII attended the programme.


**Curiokidz**  conducted “**National Digital Poster Making Contest**” for classes VI to XII on the theme “**Awareness of Internet safety**” on 14<sup>th</sup> December 2022. It is a dynamic avenue for promoting creativity, digital literacy, and awareness on important issues. Such contests contribute to their holistic development and foster a culture of innovation and expression. Five of our students won prizes.


On the same day, **Naik Yuvaraj Srinivas** a Special Force member in Indian Army of Counter Terrorist Unit gave a speech on “**Defence Forces**” to the students of class VIII. Terrorism is a global challenge that threatens the very fabric of peace, stability, and progress that we all cherish. It is crucial for the student community, who being the future leaders, to understand the significance of counter-terrorism efforts and the role they can play in building a safer world. Through education, empathy, and active participation, they can counter the ideologies that feed terrorism.


**NCC camps**  serve as transformative experiences, shaping young minds into responsible citizens and capable leaders. The holistic approach that combines discipline, physical fitness, leadership, and community service ensures that the cadets leave with a sense of purpose, enhanced skills, and a deep connection to their nation. We feel proud to announce that the First Inter **D.A.V. NCC Paraakram Camp** was held in Primary Ground and Main Campus. It was conducted during the Winter Holidays starting from 26-12-2022 to 28-12-22. Our Principal, **Chief Officer Ramana Velavan, who is an Associate NCC Officer in cadre**, guided the cadets and conducted the event successfully.

**On 4<sup>th</sup> January 2023, “Annual Gayathri Maha Yagna”** was organized by Arya Samaj Foundation, Chennai at DAV Girls’ School, Gopalapuram. All Staff, and few students attended the celebration. As this ancient ritual continues to find its prominent place in our institution, its timeless teachings and sacred invocations resonate as a beacon of light, in guiding individuals towards a path of enlightenment, unity, and spiritual fulfillment.

**On 12<sup>th</sup> January 2023, Swami Vivekanda’s Birthday**  was celebrated as Youth day for the classes VI to VIII. Celebrating Swami Vivekananda's birthday at D.A.V. is not just a tradition; it's a reminder of the values he stood for and the torch he lit for the youth of our nation.


At our school, as we believe in preserving and celebrating our rich cultural heritage, **Pongal Celebration**  was organized for classes VI to IX on **13<sup>th</sup> January 2023**. Pongal is a time when farmers rejoice in the fruits of their labour, offering thanks to nature, the sun, and the cattle for their contributions. This festival not only marks the bountiful harvest but also exemplifies the essence of unity and community.

**Silambam**, a traditional Indian martial art that originated in Tamil Nadu, is a remarkable blend of physical prowess, discipline, and cultural heritage. **On 21<sup>st</sup> January 2023, Veera Mangai Velu Nachiar Inter DAV Silambam Competition**  was held at Primary Ground. By learning, practicing, and showcasing the art, we ensure that our culture's legacy is not forgotten but celebrated.


On 26<sup>th</sup> January 2023, **74<sup>th</sup> Republic Day**  was celebrated at our Primary Wing Play ground. **Smt. P.R. Venmathi IPS, Asst. Inspector General of Police** (Social Justice & Human Rights – Govt. of TN) was the Chief Guest. The Guest of Honours were Smt. Nishi Nangia –

Convenor DAV Gill Nagar. Shri S. Balaji, CEO, DAV Group of Schools graced the occasion. This day marks the embodiment of our democratic ideals, the unity in our diversity, and the sacrifices made by countless individuals who laid the foundation of our great nation.

**On 26<sup>th</sup> January 2023**, our students of **classes VI to IX presented a Cultural Feast at Collector's Office**, Chennai. Our students showcased our country's cultural richness through various performances, reflecting the essence of different states and traditions.

**On 30<sup>th</sup> January 2023, the First Inter D.A.V. Music Competition, "Pratidhvani"**  was held in our Primary Wing. Our school's music competition served as a platform for students to showcase their musical talents and creativity. From soulful vocals to skillful instrumental performances, this competition highlighted the diverse range of musical abilities our students possess. It reminded us of the beauty and power of music to connect, inspire, and uplift.

We often hear that even a small act of kindness can make a significant impact. **On 8<sup>th</sup> February 2023, as a LEL (Life Experiential Learning) activity**, students of **class VII visited the Orphanage "Hope" and sponsored breakfast** for that day. This act of kindness resonates with the values we strive to cultivate in our school community – empathy, generosity, and social responsibility. It's a reminder that our education goes beyond textbooks; it encompasses developing a heart that cares for others and a mind that understands the importance of community.


**On 10<sup>th</sup> February 2023**, Union Christian School conducted  **Inter School Theatre Fest** for the students of classes VI to VIII. Our students, who participated in Mono Act, Poetry and Drama won awards and prizes.

**On 17<sup>th</sup> February 2023**, students of classes VI to VIII were taken on a **one day trip to Mamallapuram**. A total of 260 students including 2 inclusive education students were taken in 5 buses and were escorted by 12 teachers, 3 Office Staff and 7 supporting staff members. We firmly believe that education is for everyone, and this tour embodies our commitment to inclusivity. By bringing together children of diverse abilities, we aim to foster an environment of empathy, understanding, and friendship. They visited the light house, Arjuna Penance, Butter Ball, Historical cave temples, sea shore temple and Pancha Rathas.



**On 4<sup>th</sup> March 2023, Hall Ticket distribution for classes XI & XII** was organized with a **Special Havan**. This ancient Vedic ritual was performed to infuse positive energy, invoke blessings, and provide our students with mental clarity and inner strength.

The **Board Examination for classes XII & XI** commenced on 13<sup>th</sup> March & 14<sup>th</sup> March 2023 respectively.

Our school's dedication to foster an inclusive environment not only transforms the lives of students with disabilities but also shapes a generation that values diversity, empathy, and unity. **On 21<sup>st</sup> March 2023, a seminar on Down syndrome**  was organized for students of VI to VIII, enlightening them to appreciate differences and cultivate empathy, preparing them for a diverse world.

**On 23<sup>rd</sup> March 2023**, Resource persons from “**Art of Living**” conducted a seminar for classes VII & VIII on the topic “**The Power of Intuition**”. Shri. Sekar Satagopan, advisor-State Apex Body, Smt. Padmini Chandrasekaran, Senior faculty of Art of Living were the facilitators. They explained the power of mind and how to focus it to achieve one’s aim.

**On 3<sup>rd</sup> April 2023, Ms. Neha R. Bharadwaj, a member of the Arya Samaj** Counsellors addressed the students of VI to VIII about **Autism**. She provided information about autism to teachers, staff, and students to dispel myths and misconceptions. It was conducted to foster empathy towards our autistic students, by preparing all students to become compassionate, empathetic individuals who can contribute positively to society.

In closing this annual report, we reflect on a year of growth, achievements, and unwavering dedication to our school's mission. Our students have exhibited resilience, creativity, and an unquenchable thirst for knowledge. Their achievements in academics, arts, sports, and community service have brought honor to our institution.

Our educators, the guiding lights of our academic journey, have tirelessly nurtured young minds with passion and dedication. Their commitment to holistic education is evident in the growth of our students, both academically and personally.

The unwavering support of our parents has been the cornerstone of our success. Your trust, involvement, and partnership continue to shape a nurturing environment that allows our students to thrive.

Our staff members, from the administration to the supporting staff, have contributed to the smooth functioning of our school.

The chapters of this year have been written by our exceptional students, dedicated educators, supportive parents, and committed staff. Together, we have woven a tapestry of learning, innovation, and shared values that define who we are as a school.

The annual report encapsulates the dreams we've nurtured, the challenges we've overcome, and the aspirations that fuel our ambitions. It serves as a testament to the continuous journey of improvement and innovation that lies ahead.

**Namaste and Thank you.**





## STAFF LIST

**PRINCIPAL :** Shri. Ramana Velavan V. M.Sc., M.Ed.

**HEADMISTRESS :** Smt. Meenakshi S. M A., B.Ed.,  
PG Dip in Computer Application., PG Dip in HRM

1. Smt. M. Divyasri B.Sc., MCA

2. Smt. Hannah Shalini Johnson. M.Sc., B.Ed

3. Smt. A. Mary Jaralin M.Sc., M. Phil., B.Ed

4. Dr. K. Mallikeswaran M.A., M.Phil., B Ed., Ph.D

5. Sri. K. Ramesh M.Sc., B.Ed.

6. Smt. K. Kalaichelvi M.Sc., M.Phil., B.Ed.

7. Sri. S. Kishore M.Sc., B.Ed., M.Phil

8. Smt. K. Ramalakshmi M.Sc., M.Ed., M.Phil

9. Smt. Preethi Kumar M.Sc., B.Ed.

10. Smt. A.B. Vandana M.Sc., B.Ed., M.Phil

11. Smt. K. Bindu M.A., B.Ed., PGDCA

12. Smt. M. Jagadeeshwari M.Com., B.Ed.

13. Smt. M. Ghana Saraswathy M.Com., B.Ed., MBA

14. Smt. Geetha Prabuchander M.Sc., B.Ed.

15. Smt. Lalitha Sriraman M.Sc., M.Ed.

16. Smt. N. Sujatha M.Sc., B.Ed.

- 17. Smt. Sreela Sreedharan M.Sc., B.Ed.**
- 18. Smt. S. Bharathi M. A., B.Ed.**
- 19. Smt. Manju Giri. M.A., B.Ed.**
- 20. Smt. M. Anandhan M.A., M.Phil., B.Ed.**
- 21. Smt. R M. Perumal Achi B.LIT., M.A.,TPT**
- 22. Smt. M. Vijayalakshmi M.A., B.Ed.**
- 23. Smt. G. Sai Sudha Rani M.A., M.Ed.**
- 24. Smt. V. Rajeswari M.Sc., B.Ed.**
- 25. Smt. S. Gajalakshmi M.A., B.Ed.,**
- 26. Smt. S. Preetha Biju M.A., B.Ed.**
- 27. Smt. J. Muthulakshmi M.A., B.Ed.**
- 28. Smt. E. Raja Rajeswari B.Sc., B.Ed.**
- 29. Smt. P. Padmapriya B.Sc., B.Ed., M.Ed.**
- 30. Smt. G. Mahalakshmi B.Sc., MCA**
- 31.Smt. A. Gayathri B.A., M.Ped., M.Phil**
- 32. Dr. Sharma Ravikant Baldev. B.A.M.S**
- 33. Sri. S. Parthasarathy M.Music., M.Phil., Dip.in Music teaching**
- 34. Smt. Bedamati Jagannath. B.A., PGCE**
- 35. Smt. S. Mano Suganthi MA., PG Dip in ECE**
- 36. Smt. Priya Sowmyan B.Sc., PG Dip in ECE**
- 37. Smt. G. Kanmani B.Sc., M.Sc., PGCE**

**38. Smt. R. Prabha B.Com., M.A., PGDBA., PGCE**

**39. Smt. Saraswathy V B.Sc., B.Ed.,**

**40. Smt. Sangeetha Naren M.A., M.Phil., B.Ed.,**

**41. Sri. V. Karthik B.Sc., B.Ped, M.Ped**

**42. Smt. U. Sangeetha B.E.S., M.B.A., M.Sc.,**

### **SPECIAL EDUCATORS:**

**1. Smt. P. Parameswari B.A., Dip in Montessori and Kindergarten – Inclusive Education – Co-ordinator**

**2. Ms. Radhika Mahadevan BFA, D.Ed SE(MR)**

**3. Smt. Sudha Parthasarathy B.R.Sc., B.Ed (Sp.Ed). PGDCP, M.Sc(Counc. Psy) M.Sc(YHE)**

**4. Dr. S Santhanalakshmi M.S., M.Sc., B.O.T**

**5. Ms. Monisha Parthasarathy M.Sc., Rehabilitation science**

### **OFFICE STAFF**

**1. Smt. Sumathi S B.Com**

**2. Smt. Gayathri H B.Sc.,**

**3. Smt. Sudha Nandhini P M.Com,**

### **SUPPORTING STAFF**

**1. Sri. Suresh Kumar D**

**2. Sri. Vijaya Kumar E**

**3. Smt. Revathi L**

**4. Sri. Shankar B**

**5. Sri. Kathirvel D**

**6. Sri. Somasundaram R**

**7. Sri. Sasi Kumar S**

**8. Sri. Pattarai Muninathan S**

**9. Smt. Amulu A**

**10. Smt. Vasanthi K**

**11. Smt. Chitra S**

**12. Smt. N Gomathi**

**13. Smt. Suseela D**

**14. Smt. Vasuki S**

### **WATCHMEN**

**1. Sri. Krishna Prasad Chuwai**

**2. Sri. Sekar K**







# ACADEMIC ACHIEVEMENTS- 2022-2023



**ACADEMIC ACHIEVERS CLASS XII 2022-2023**



**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CLASS XII TOPPER - FIRST POSITION**

**(2022-2023)**

**SCIENCE STREAM**



**N DHARSHINI, XII A**  
**596/600**

**COMMERCE STREAM**



**M MALAVIKA, XII C**  
**590/600**



# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CLASS XII TOPPER - SECOND POSITION**

**(2022-2023)**

## **SCIENCE STREAM**



**NIMMAGADDA SRI LAKSHMI  
YASASWINI DEVI, XII B  
589/600**

## **COMMERCE STREAM**



**S AYESHA FARHEEN, XII C  
587/600**





**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CLASS XII TOPPER - THIRD POSITION**

**(2022-2023)**

**SCIENCE STREAM**



**J P VARSHAVIKASSINI, XII A**

**577/600**

**COMMERCE STREAM**



**C LAKSHITHA, XII C**

**575/600**



**CENTUM HOLDERS CLASS – XII 2022-2023**



**D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XII**

**(2022-2023)**

**BIOLOGY**



**N DHARSHINI, XII A**

**COMPUTER SCIENCE**



**SANJAY KISHORE B  
XII-A**



**SRI DHANAM M K  
XII-A**



**PRADHEEP R  
XII-A**



**NIMMAGADDA SRI LAKSHMI  
YASASWINI DEVI  
XII-B**



**SWATHI B  
XII-B**



**DARSHAN M  
XII-B**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XII**

**(2022-2023)**

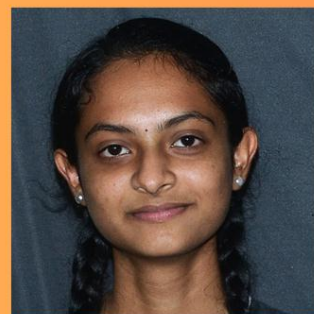
## **CHEMISTRY**



**PRADHEEP R  
XII-A**



**N DHARSHINI  
XII-A**



**VARSHAVIKASSINI J P  
XII-A**



**HEMANYAA OBULIRAJ  
XII-B**



**SWATHI B  
XII-B**

## **BUSINESS MATHEMATICS**



**MALAVIKA M  
XII-C**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XII**

**(2022-2023)**

## **ACCOUNTANCY**



**AYESHA FARHEEN S  
XII-C**



**DHARSHINI S  
XII-C**



**SHRIMATHI S  
XII-C**



**LAKSHITHA C  
XII-C**



**MALAVIKA M  
XII-C**



**MADHESH S B  
XII-C**

## **ECONOMICS**



**AYESHA FARHEEN S  
XII-C**



**DHARSHINI S  
XII-C**



**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XII**

**(2022-2023)**

**COMMERCE**



**AYESHA FARHEEN S**  
**XII-C**



**P NITHIN**  
**XII-C**



**SHRIMATHI S**  
**XII-C**



**MALAVIKA M**  
**XII-C**





**BEST OUTGOING STUDENTS**



**D.A.V. MAT.HR.SEC.SCHOOL**  
GILLNAGAR, CHENNAI -94

**BEST OUTGOING STUDENTS**

(2022-2023)



**PRADHEEP R**  
—◆—  
**XII A**

**VARSHA VIKASSINI J P**  
—◆—  
**XII A**



**CLASS XI TOPPERS 2022-2023**



**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CLASS XI TOPPER -FIRST POSITION**

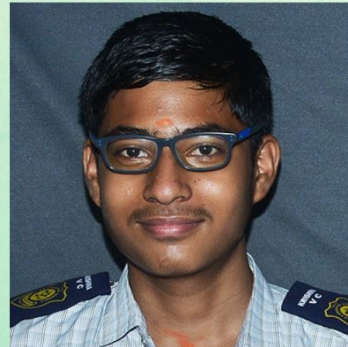
**(2022-2023)**

**SCIENCE STREAM**



**A KEERTHANA, XI B**  
**583/600**

**COMMERCE STREAM**



**S RISHIKANTH, XI C**  
**592/600**



# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CLASS XI TOPPER -SECOND POSITION**

**(2022-2023)**

## **SCIENCE STREAM**



**P ISWARYA, XI B  
570/600**

## **COMMERCE STREAM**



**M P TRISANTH, XI C  
577/600**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CLASS XI TOPPER -THIRD POSITION**

**(2022-2023)**

## **SCIENCE STREAM**



**M K HARISH SAI, XI B**  
**563/600**

## **COMMERCE STREAM**



**M KRISHIV, XI C**  
**563/600**





**CENTUM HOLDERS CLASS – XI**



**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XI**

**(2022-2023)**

**PHYSICS**



**BAVATHAARANI R**  
**XI-A**

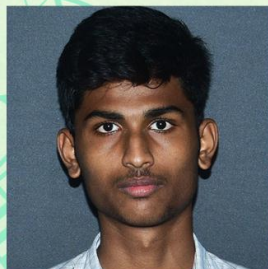


**HARISH SAI M K**  
**XI-B**

**COMPUTER SCIENCE**



**NIMALAN MANI M**  
**XI-A**



**PRAVEEN KUMAR R**  
**XI-A**



**KEERTHANA A**  
**XI-B**



# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS XI**

**(2022-2023)**

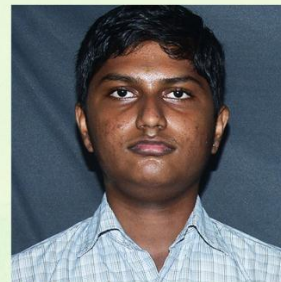
## **ACCOUNTANCY**



**VARSHAA SRI P  
XI-C**



**RISHIKANTH S  
XI-C**



**TRISANTH M P  
XI-C**

## **ECONOMICS AND COMMERCE**



**RISHIKANTH S  
XI-C**





**CLASS X TOPPERS 2022-2023**



**D.A.V. MAT.HR.SEC.SCHOOL**  
**GILLNAGAR, CHENNAI -94**

**CLASS X TOPPER**

**(2022-2023)**

**FIRST POSITION**



**M PRIYA, X B**  
**494/500**

**SECOND POSITION**



**M HARINI, X B**  
**491/500**

**THIRD POSITION**



**M JANANII, X A**  
**483/500**



**CENTUM HOLDER – CLASS X – 2022 - 2023**



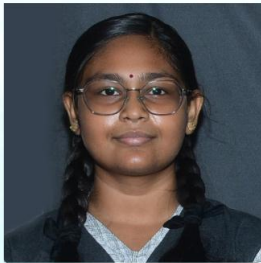
**D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

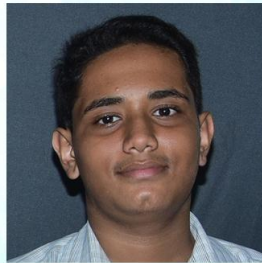
**CENTUM HOLDERS CLASS X**

**(2022-2023)**

**MATHEMATICS**



**SHREE VARSHINI S  
X-A**



**AKASH SONU  
X-A**



**ANIRUDH SUNIL KUMAR  
X-A**



**HARINI M  
X-B**



**PRIYA M  
X-B**



**SADHANA P  
X-B**



**SANDHYA P K  
X-B**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**CENTUM HOLDERS CLASS X**

**(2022-2023)**

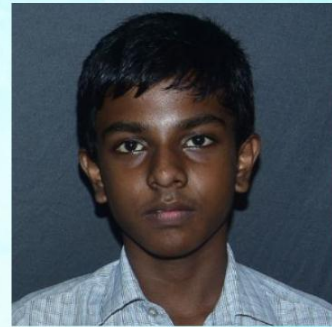
## **SCIENCE**



**M PRIYA, X B**



**M HARINI, X B**



**R PRANAV, X B**

## **ENGLISH**



**M PRIYA, X B**





**STAR PUPIL AWARDEES 2022-2023**







D.A.V. MATRIC. HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



NAYANIKA PUTTA

L.K.G

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D.A.V. MATRIC. HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ISHITA B

U.K.G. A

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



AADHINI A

U.K.G. B



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



FAAHIMA SAFRIN M A

I A



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94

25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ADVIK DEEPAK

I B

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94

25<sup>th</sup> ANNUAL DAY



STAR PUPIL



SRIVARSHINI S

II A

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



YESHMITHA K N

II B

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ABISHEK B V

III A

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D.A.V. MATRIC. HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



KOUSHIK B V

III B

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D.A.V. MATRIC. HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



JAYASURYA T

IV A

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ARRJUN RAO M

IV B

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



SAI SRI DARSHINI P

V A

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D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ASWIN KARTHIK A

V B



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



CHARITHA K V

VI A



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



HEMASRI B

VI B



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



FAAZILA SAFRIN M A

VII A



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ATHULA KRISHNA P  
VII B



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



SANJITH RAGAVENDER Y  
VIII A





D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94

25<sup>th</sup> ANNUAL DAY



STAR PUPIL



JAISREE G R

VIII B



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94

25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ASHMITHA K

VIII C





D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



HARSHITA C V

IX A



D.A.V.MATRIC.HIGHER SECONDARY SCHOOL,  
GILLNAGAR, CHENNAI - 94  
25<sup>th</sup> ANNUAL DAY



STAR PUPIL



ANIRUDH A

IX B



D.A.V.MATRIC.HIGHER.SECONDARY.SCHOOL  
GILLNAGAR CHENNAI - 94  
25 th ANNUAL DAY CELEBRATION



STAR PUPIL



JANAVIKA A  
IX - C







# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**SPORTS STAR-SUB JUNIOR**

**(2022-2023)**



**S ADITYA, VIII B**



**A EZHIL, VIII B**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**SPORTS STAR - JUNIOR**

**(2022-2023)**



**R NARENDRAN, X A**



**K S SHRUTHI, X B**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**SPORTS STAR-SENIOR**

**(2022-2023)**



**R ROHITH KUMAR, XII C**



**R ISHWARYA, XI C**





# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**TECH TEAM DARPAN MAGAZINE**

**(2022-2023)**



**M GIRIBALAN, X A**



**A SOMESH, X B**



**S ABISHEK, XII B**



**K S HARIHARAN, XII B**



# **D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**BEST VOCALIST**

**(2022-2023)**



**S SIVA SANKARI, V B**



**M KANUSHI, VII A**



**S JANANISHRI, XI B**







# **D.A.V. MAT.HR.SEC.SCHOOL**

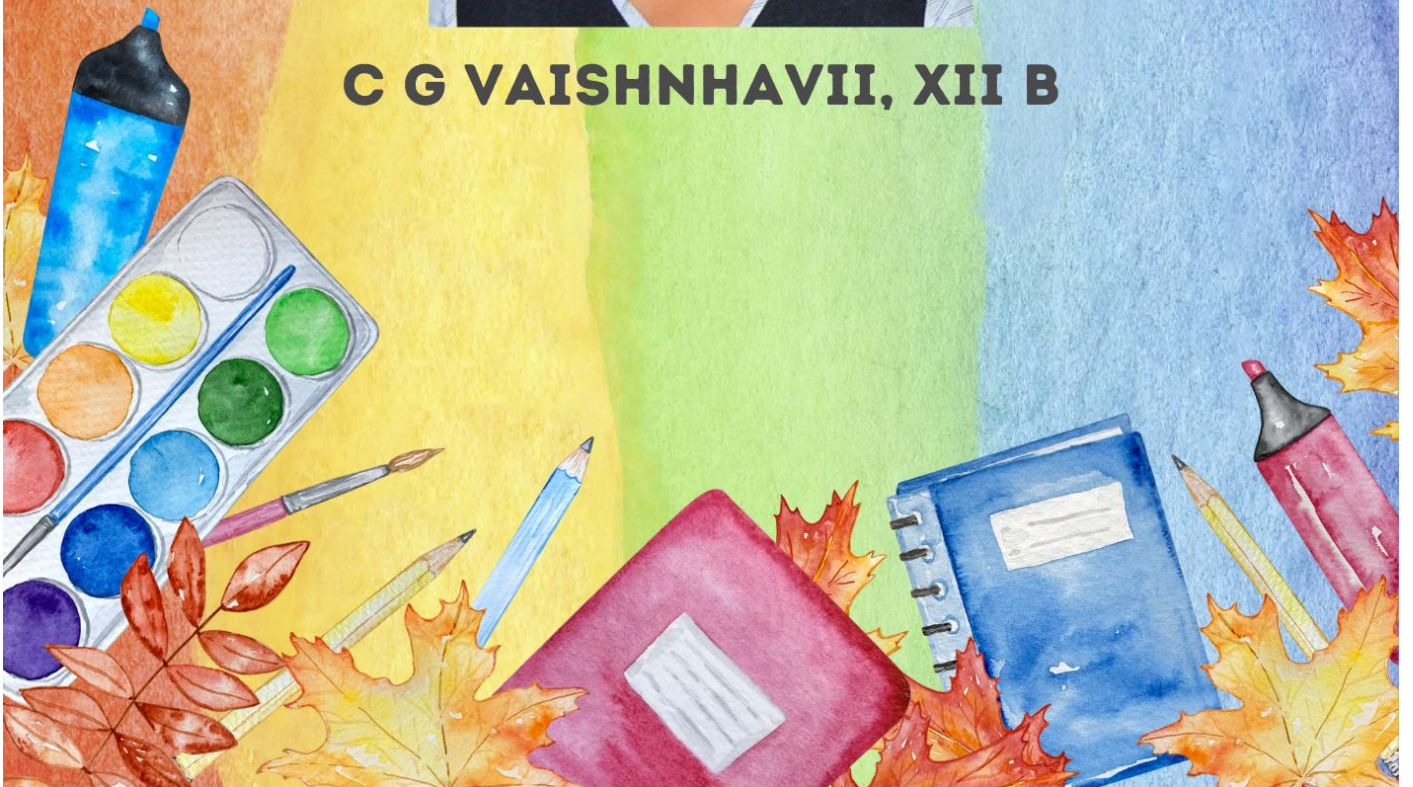
**GILLNAGAR, CHENNAI -94**

**BEST ARTIST**

**(2022-2023)**



**C G VAISHNAVII, XII B**







**D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**SPONTANEOUS ENTREPRENEUR OF  
VIDYA SAADHAN**

**(2022-2023)**



**MADHAV AGARWAL, XII C**





**D.A.V. MAT.HR.SEC.SCHOOL**

**GILLNAGAR, CHENNAI -94**

**ENTERPRISE RESOURCE PLANNER  
OF VIDYA SAADHAN**

**(2022-2023)**



**S AYESHA FARHEEN , XII C**





## SPORTS ACHIEVEMENTS 2022 – 2023





## SPORTS ACHIEVERS 2022-2023

### INDIVIDUAL CHAMPIONSHIP IN THE ATHLETICS ZONAL LEVEL



**K. Abinav of XII B received an Individual Championship in the Athletics Zonal level competition conducted on 17.8.22.**

### VOLLEYBALL TOURNAMENT



**We won the Winners trophy in the Volleyball tournament conducted by SAN ACADEMY Velachery, in the Nehru stadium conducted on 08.10.22.**

## SWAMI SHRADDHANAND BADMINTON TOURNAMENT



**Girls from classes V & VI emerged as second runner up in the Swami Shraddhanand Badminton tournament @ D.A.V. Boys Mogappair conducted on 19.10.2022.**



**Girls from classes XI & XII emerged as second runner up in the Swami Shraddhanand Badminton tournament conducted @ D.A.V. Boys Mogappair on 19.10.2022.**





**Boys from classes V & VI received the II Runner up trophy in the Swami Shraddhanand Badminton tournament conducted at D.A.V. Boys Mogappair on 20.10.2022.**

## DEIVA PULAVAR THIRUVALLUVAR VOLLEYBALL TOURNAMENT



**Boys from classes IX to XII won the DEIVA PULAVAR THIRUVALLUVAR Volleyball tournament conducted by Krida Kendram on 18.11.22 at D.A.V Matric Gill Nagar.**





**Boys from classes VI to VIII received the Runner up trophy in the DEIVA PULAVAR THIRUVALLUVAR Volleyball tournament conducted by Krida Kendram on 18.11.22 at D.A.V Matric Gill Nagar.**



**Girls from classes VI to VIII received the Winners trophy in the DEIVA PULAVAR THIRUVALLUVAR Volleyball tournament conducted by Krida Kendram on 18.11.22 at D.A.V Matric H. S. S. Gill Nagar.**



**Girls from classes IX to XII team 'A' received the Winners trophy in the DEIVA PULAVAR THIRUVALLUVAR Volleyball tournament conducted by Krida Kendram on 18.11.22 at D.A.V Matric H. S. S. Gill Nagar.**



**Girls from classes IX to XII 'B' team received the Runner up trophy in the DEIVA PULAVAR THIRUVALLUVAR Volleyball tournament conducted by Krida Kendram on 18.11.22 at D.A.V Matric H. S. S. Gill Nagar.**



**WINNERS OF THE RDS/BDS DISTRICT LEVEL VOLLEYBALL TOURNAMENT**



**Our U 17 Girls emerged as winners in the RDS District level Volleyball tournament conducted by Don Bosco School, Perambur on 05.11.22.**

**WINNERS OF THE RDS/BDS DISTRICT LEVEL THROWBALL TOURNAMENT**



**Our U 14 Girls emerged as winners in the RDS District level Throw ball tournament conducted by Don Bosco School, Perambur on 26.10.22**



## INTERNATIONAL BG KARATE CHAMPIONSHIP 2022



**S.S.LINGANATH of VI A won III place in Kata in the International BG Karate Championship 2022 conducted by Goju Ryu Karate Federation at Dhaka, Bangladesh on 28.12.22 and 29.12.22.**



**N.VISHAL RASWANTH of VIII A won III place in Kumite in the International BG Karate Championship 2022 conducted by Goju Ryu Karate Federation at Dhaka, Bangladesh on 28.12.22 and 29.12.22.**



**S.S.LOKNATH of VIII C won II place in Kumite in the International BG Karate Championship 2022 conducted by Goju Ryu Karate federation at Dhaka, Bangladesh on 28.12.22 and 29.12.22.**

**JEPPIAAR INTER SCHOOL SPORTS FEST – VOLLEYBALL**



**Our U 14 Girls Volleyball team won III place in the Jeppiaar Inter School sports fest conducted by Jeppiaar group of schools, Semmancheri, Chengalpattu on 01.02.23.**



## JEPPIAAR INTER SCHOOL SPORTS FEST – THROWBALL



**Our U 14 Girls Throw ball team won the III place in the Jeppiaar Inter School sports fest conducted by Jeppiaar group of schools, Semmancheri, Chengalpattu on 02.02.23.**

## CHANAKYA INTER D.A.V. RAPID CHESS TOURNAMENT - 04.02.23



**M. PRAJITH UKG A – III Place**



**S. SVANIK II B – III Place**



**G. SAHANA VII B – III Place**



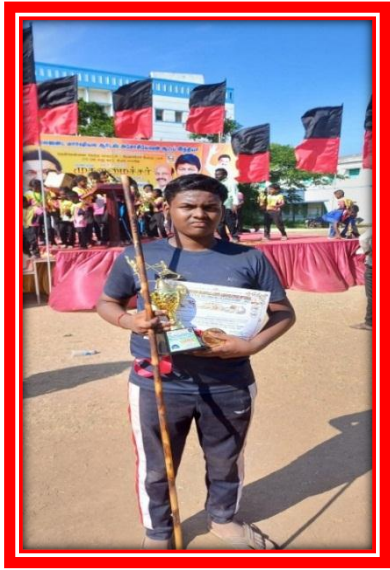
**19<sup>TH</sup> INTERNATIONAL OKINAWA GOJU RYU IPOH CITY KARATE  
OPEN CHAMPIONSHIP 2023**



**S.S LOKNATH of VIII C won I Place in Kata and III Place in Kumite and S.S. LINGANATH of VI a won I place in Kata and Kumite in the 19<sup>th</sup> International Okinawa Goju Ryu Ipoh city Karate Open Championship 2023 held at Malaysia from 12.05.23 to 14.05.23**



**STATE LEVEL SILAMBAM CHAMPIONSHIP 2023**



**S.S LOKNATH of VIII C won III Place in Thanithiramai (Single stick) and III Place in Thodumurai. S.S. LINGANATH of VI A won III place in Thanithiramai (Single stick) and II Place in Thodumurai conducted by The Legend Martial Arts Association of India on 30.04.2023.**







# INFOTAINMENT







# ENGLISH



## BIRD AND A BEE-THIRANJAN C-II A

Once a bird asked a bee, “After continuous hard work you prepare the honey, but a man steals the honey; don’t you feel sad? Then the bee replied, “A man can steal my honey, but not my art of making honey or my hard work.”

**Moral of the story is - Believe in yourself.**

## RIDDLES-ARRYA RAO M-I B

1. People buy me to eat, but never eat me. Who am I?
2. I am a colour but you eat me. Who am I?
3. You see me once in June, Twice in November and not at all in May. What am I?
4. I shoot, but never kill. What am I?

## RIDDLES-SOORYA RANGANATHAN – III A

1. What is black, when it’s clean and white or when it’s dirty?
2. What has words, but never speaks?
3. What is so fragile that saying its name breaks it?
4. I have lakes with no water, mountains with no stones and cities with no buildings. What am I?
5. If you drop me, I’m sure to crack, but give me a smile and I’ll always smile back. What am I?
6. What has 13 hearts, but no other organs?
7. The more you take, the more I leave behind. What am I?
8. What is always in front of you, but can’t be seen?

## MY BEAUTIFUL TREES- ARRJUN RAO M- V B

A small seed,  
Growing near a weed.  
Which always fulfills,  
Every human need.

It provides wood,  
And produces food.  
Which is always,  
Healthy and good.

It makes hills look,  
Bright and glow.  
And it allows  
Water to flow.

Trees give us life  
For free.  
That's why it is  
Called a beautiful Tree.



## THRIVE - SIVA SANKARI S –V B

Man grew from ape.

Cloth grew from leaves.

House grew from cave.

Nourished food grew from nature.

Car grew from bullock cart.

Book grew from palm leaf manuscript.

Pen grew from quill feather.



## HEAVENLY CLOUDS-MANJANA S V B

It is the fluffiest thing in the world,

It is the fluffiest thing in the world,

My heart flatters away seeing it,

It keeps following where we go,

Being the nature's child - as

The sky brightens, the perfection what it gives!

Gives a heavenly look to our own planet, with -

Big brother sun helps to make him shine more,

We maintain for the best, to look brand new –

To look as shine shine shine!!

## READ A PAGE BEFORE GOING TO BED – LAKSHITHA V - VI B

In today's fast-paced world, finding time to read can be challenging, especially for students juggling academic responsibilities, extracurricular activities, and social life. However, dedicating a few moments each night to read before going to bed can bring about numerous benefits. This article explores the advantages of adopting this simple yet powerful habit and how it can positively impact students' lives.

1. **Enhancing Sleep Quality:** Reading before bed has been proven to improve sleep quality. Unlike electronic devices, which emit blue light that can disrupt the production of the sleep hormone melatonin, reading from a printed book or an e-ink reader does not interfere with the body's natural sleep-wake cycle. Engaging in a book can relax the mind, reduce stress levels, and prepare students for a more peaceful night's sleep.
2. **Expanding Vocabulary and Language Skills:** Regular reading exposes students to a wide range of words and phrases, enhances their vocabulary and language skills. As they encounter new words in context, they grasp their meanings and usage more effectively. A rich vocabulary not only aids in academic success but also fosters more precise communication and boosts self-confidence.

3. ***Improving Focus and Concentration:*** In the era of constant distractions, developing focus and concentration is vital for academic achievement. Reading demands attention and focus, it trains the brain to concentrate on a single task for an extended period. This improved ability to concentrate can subsequently benefit students in their studies and other daily activities.
4. ***Stimulating Creativity and Imagination:*** Books take readers on incredible journeys, stimulating their creativity and imagination. Whether diving into a fantasy world or exploring real-life stories, the mind is exposed to new ideas and perspectives, encouraging students to think beyond the confines of their immediate surroundings. This imaginative boost can inspire students to approach problem-solving with innovation and creativity.
5. ***Reducing Stress and Anxiety:*** The tranquil escape provided by reading can be an effective stress-reliever. Immersing oneself in a captivating book diverts the mind from worries and anxieties, offering a much-needed mental break. This emotional relaxation can contribute to improved mental health and overall well-being.
6. ***Gaining Knowledge and Insights:*** Reading diverse genres exposes students to a wide array of topics, allowing them to gain knowledge in various fields. Fictional books can teach valuable life lessons and present moral dilemmas for critical thinking, while non-fiction works provide a wealth of information about the world, history, science, and more. This knowledge broadens students' perspectives and fosters intellectual growth.

Incorporating a reading routine at night can yield numerous benefits that extend far beyond the mere enjoyment of a good story. From improved sleep quality to enhanced language skills, increased focus, and reduced stress, the advantages of reading before bed are undeniable. Encouraging this habit not only supports academic success but also fosters a lifelong love for reading and learning. So, as students let us prepare to turn on the lights and settle under our cosy blankets and remember to open a book and embark on a journey of imagination and knowledge before drifting off into a peaceful slumber.

## THE IMPORTANCE OF STEM EDUCATION IN THE 21<sup>st</sup> CENTURY DIKSHETA VII A

The world changes daily, change is the only thing that is constant. In the 21<sup>st</sup> century it is very much essential for students to prepare for challenges and opportunities that are available. Stem education plays an important role in this preparation.

## WHAT IS STEM EDUCATION?

Stem education is designed to provide students with a comprehensive understanding of science, technology, and engineering and mathematics subjects. It is designed to help students develop skills in the following areas:

- ❖ Problem thinking
- ❖ Critical thinking
- ❖ Innovation
- ❖ Creativity
- ❖ Collaboration
- ❖ Team work

## IMPORTANCE OF STEM EDUCATION

We live in the highly technological society where information and knowledge are considered the most valuable resources. Modern technologies and globalization have changed the whole concept of the world that we live in. In contrast to the traditional science and math education STEM education uses a combined learning environment to show students how science can be applied in real life situations.

## MAKE THE WORLD A BETTER PLACE

It goes without saying that we need stem experts to find cures for diseases, develop new antibiotics, help us understand big data fight issues like global hunger and solve many other real world problems. STEM education can also offer sustainable solutions to several challenges that human beings have created on account of their relentless exhaustion of natural resources. From using sustainable practices that do not harm nature, to looking for solutions for global malaise such as climate change, it is the use of STEM skills with its multi-disciplinary approach that can make it possible. It is through this multi-disciplinary approach that we will be able to make a real difference.





## MY DEAR BROTHER – ANIKA VIII A



My dear brother.  
My little bundle of joy,  
The mischievous one.  
Those little bickers and brawls,  
And the precious one.

My dear brother.  
Those little memories and,  
Those little flaws.  
You are my sunshine,  
And my moonbeam.

My dear brother.  
You make my day.  
You are my life,  
And you are my most treasured one.

My dear brother.  
How much I crave to tell you,  
That I love you.

## MEMORIES DOWN THE LANE - MAANSI K VIII-A

### A TRIP TO SWITZERLAND

Visiting Switzerland was a dream come true for me. The country is known for its beautiful landscapes, charming cities, and rich culture. From stunning mountains to peaceful lakes and lively cities, every moment in Switzerland was full of wonder. I visited Switzerland during the last summer vacation. I would like to share my experience with you.

**Natural Wonders:** Switzerland's natural beauty left me amazed. The Swiss Alps, with their snowy peaks, were breathtaking. I had the opportunity to see some of the famous mountains and explore the Jungfrau region and Mount Titlis through cable car. Central Switzerland's tallest mountain, Mt Titlis, is known for the world's first revolving cable car which came into use in 1992 and is still one of the few on the planet. In Mount Titlis, we participated in many activities like snowboarding and making a snowman. It had a beautiful sight of the whole village underneath. The clear Lake Lucerne, and Rhine Falls were incredibly peaceful and offered stunning views that I will never forget.

**Charming Cities:** Switzerland's cities are a perfect mix of history, beautiful buildings, and modern life. Zurich impressed me with its international vibe, I enjoyed walking along the lively Bahnhofstrasse, indulging in delicious Swiss chocolates, and visiting the Lindt Chocolate factory to see chocolate making. The factory showed how chocolate was made from cocoa beans. They also gave sample chocolates which were made instantly. It also tasted delicious!

The old town of Bern, with its narrow streets and old fountains, was like stepping back in time and it was an amazing experience to visit Albert Einstein Museum from where I got to know more about him. I also learnt the concept ‘The theory of relativity.’

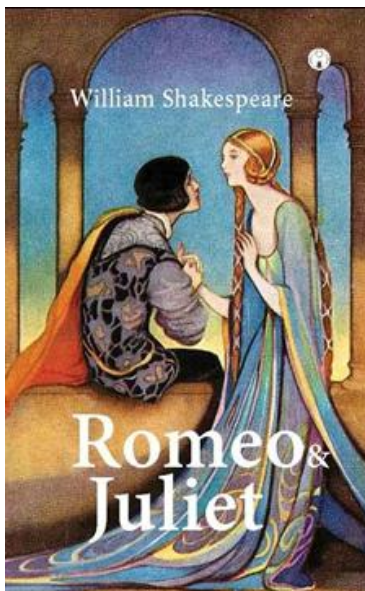
**Efficient Infrastructure:** Switzerland is known for its good transportation system, which made traveling easy and enjoyable. The trains were always on time, and I could easily explore different cities and regions using the Swiss transportation system. Train routes provided breathtaking views, and the Swiss Travel Pass made it convenient to get around and even offered discounts on attractions.

**Cultural Delights:** Switzerland's culture was fascinating to discover. I visited charming Alpine village Grindelwald, where I experienced traditional Swiss life with their cozy chalet-style houses, local customs, and delicious food and felt the vibrant Swiss spirit.

My trip to Switzerland was an enchanting adventure that surpassed all my expectations. The breathtaking landscapes, charming cities, efficient infrastructure, and rich culture came together to create an unforgettable experience. Switzerland offers a perfect blend of natural wonders, modern conveniences, and cultural treasures. I highly recommend adding Switzerland to your travel list as it will leave you with incredible memories and a desire to visit again.

## THE TIMELESS GENIUS - WILLIAM SHAKESPEARE:- THAMIZH ARASAN-VIII-B

### 1. ROMEO AND JULIET



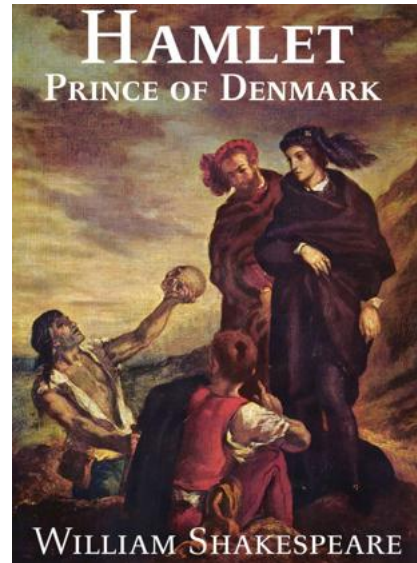
**Romeo: A passionate and impulsive young man from the Montague family, deeply in love with Juliet.**

**Juliet: A romantic and determined young woman from the Capulet family, who falls in love with Romeo**

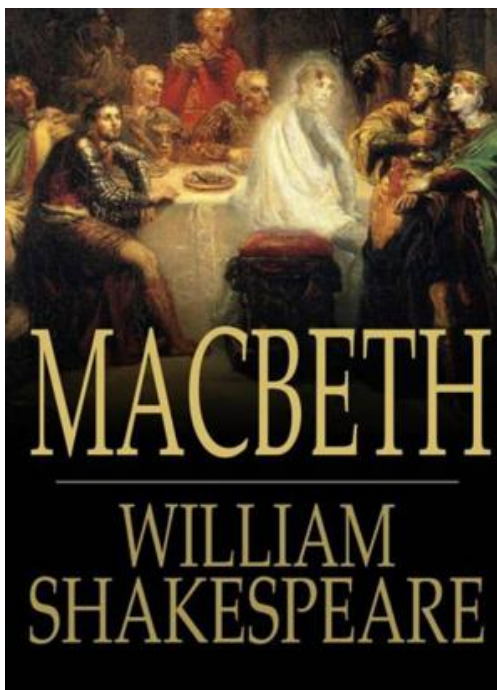
## 2. HAMLET

**Hamlet: A melancholic prince plagued by indecision, seeking to avenge his father's murder while grappling with his own inner turmoil.**

**Claudius: Hamlet's uncle and the new king, who usurped the throne by killing Hamlet's father.**



## 3. MACBETH



**Macbeth: A brave yet ambitious Scottish general whose love for power leads him to commit regicide and descend into madness.**

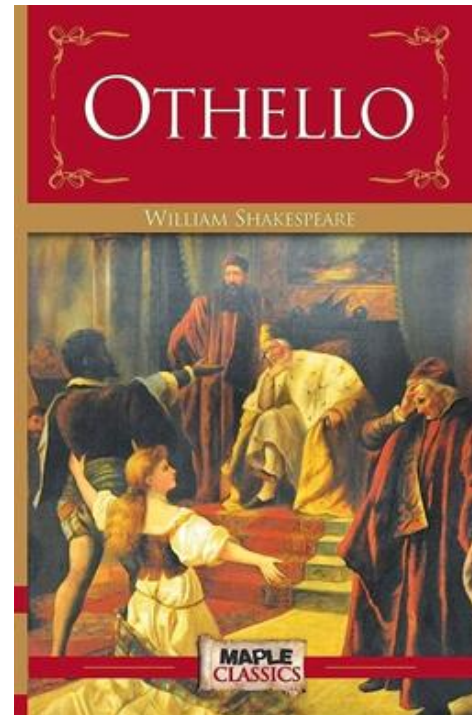
**Lady Macbeth: Macbeth's manipulative and ambitious wife, whose guilt and descent into madness are consequences of their actions.**



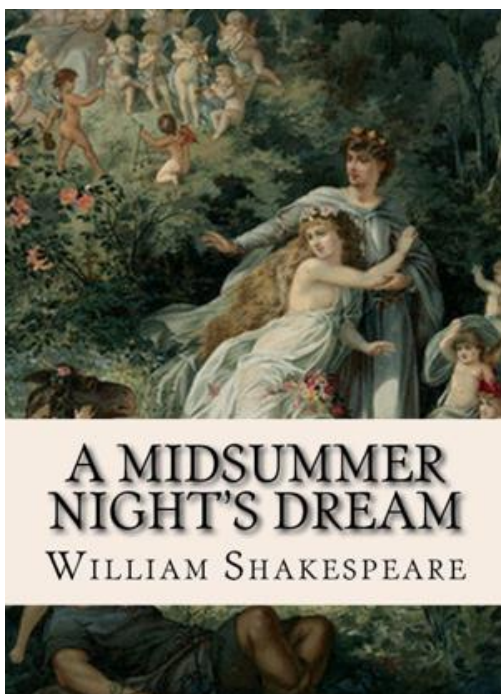
## 4. OTHELLO

**Othello: A noble Moorish general respected for his leadership, whose tragic downfall is orchestrated by Iago's cunning manipulation and his own insecurities.**

**Iago: Othello's ensign, a master of deception driven by jealousy and revenge, who cunningly engineers Othello's downfall.**



## 5. A MIDSUMMER NIGHT'S DREAM



**Puck (Robin Goodfellow): A mischievous fairy who meddles with the mortal characters, creating confusion and romantic entanglements in the magical forest.**

**Hermia: A young woman in love with Lysander, facing societal pressures to marry Demetrius, leading to the tangled romantic web in the story.**

## TREES - ATHULA KRISHNA P -VIII B

We have seen that the standing lovely green tree  
But let us not forget the oxygen it gives us for free;  
Than any manmade forest prevents soil erosion  
For the wise, forest is a graceful emotion;  
Forests are the guardians of the civilisation bound  
Birds, insects and animals get lives there well in sound;  
Peanuts, medicines, food and flowers are gifts from the forest  
May mankind hurrying on the path of deforestation shall turn  
Honest!

### INSPIRING WISDOM: EXPLORING THE FAMOUS QUOTES OF DR. APJ ABDUL KALAM FOR STUDENTS-BALAJI B X-A

Dr. APJ Abdul Kalam, often referred to as the "Missile Man of India," was not only a brilliant scientist and visionary leader but also a profound philosopher whose words continue to resonate with people of all ages, especially students. His quotes encapsulate timeless wisdom and offer valuable life lessons. Let's delve into some of his famous quotes, deciphering their meanings and implications for students:

1. "Dream, dream, dream. Dreams transform into thoughts and thoughts result in action. "

Dr. Kalam's emphasis on dreaming underscores the power of imagination and ambition. For students, this quote serves as a reminder to set audacious goals and nurture aspirations. Dreams, when nurtured with determination and action, can pave the path to success.

2. "Don't take rest after your first victory because if you fail in the second, more lips are waiting to say that your first victory was just luck."

This quote emphasizes the importance of consistency and resilience. Students should not rest on their laurels but strive for continuous improvement. Each success should be a stepping stone to higher achievements, reinforcing the idea that sustained efforts yield lasting results.

3. "All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents."

Dr. Kalam's words underscore the notion of equity and the importance of hard work. Regardless of initial advantages, every student has the chance to nurture their abilities through dedication and learning. This quote encourages students to focus on effort and growth rather than comparing themselves to others.

4. "You have to dream before your dreams can come true."

This quote underscores the significance of envisioning one's goals before achieving them. Before embarking on a journey, students must visualize their desired outcomes. This mental preparation and clarity can provide the motivation and direction needed to turn dreams into reality.

5. "Learning gives creativity, creativity leads to thinking, thinking provides knowledge, and knowledge makes you great."

Dr. Kalam's quote emphasizes the interconnectedness of learning and personal growth. For students, this serves as a roadmap to success – by engaging in continuous learning, nurturing creativity, and fostering critical thinking, they can accumulate knowledge and achieve greatness.

6. "Great dreams of great dreamers are always transcended."

This quote highlights the expansive nature of ambitious dreams. Great aspirations inspire others to think beyond boundaries and contribute to a collective effort. Students are encouraged to aim high, knowing that their dreams have the potential to inspire and impact the world.

7. "If you want to shine like a sun, first burn like a sun."

This quote embodies the essence of hard work and perseverance. Just as the sun's brilliance comes from intense burning, students should be willing to invest time, effort, and dedication to achieve their goals. The path to success often requires sacrifice and sustained commitment.

In essence, Dr. APJ Abdul Kalam's quotes encapsulate profound life lessons for students. They underscore the importance of ambition, diligence, creativity, and resilience. By internalizing these teachings, students can pave the way for a future defined by achievement, growth, and positive impact on society.

## **EMPOWERING WOMEN: UNLEASHING POTENTIAL, CREATING CHANGE - BALAJI B X-A**

Empowering women is not just a noble goal; it is a transformative force that has the power to shape societies, economies, and the world at large. By providing women with equal opportunities, rights, and support, we unlock their immense potential, leading to positive social change and sustainable development.

Education as a Foundation:

Education plays a pivotal role in empowering women. When girls are given access to quality education, they gain knowledge, skills, and confidence to pursue their dreams. Malala Yousafzai,



the youngest Nobel Prize laureate, serves as a shining example. Despite facing threats to her life, she championed girls' education, emphasizing that educated women are catalysts for progress.

#### Economic Empowerment:

Empowering women economically not only improves their lives but also strengthens communities and economies. The success story of Oprah Winfrey, who rose from a challenging background to become a media mogul and philanthropist, underscores how economic independence can pave the way for societal upliftment.

#### Leadership and Representation:

Women's representation in leadership positions is crucial for balanced decision-making and policy formulation. Angela Merkel, the Chancellor of Germany, stands as a symbol of effective leadership, breaking gender barriers in politics. Her tenure showcases the transformative impact of women's perspectives in governance.

#### Health and Well-being:

Empowering women also involves ensuring their health and well-being. The work of Dr. Hawa Abdi, a Somali gynecologist, exemplifies this. Dr. Abdi established a hospital and refuge for women, providing healthcare and support in conflict-ridden areas. Her efforts demonstrate how improving women's health can lead to stronger communities.

#### Breaking Stereotypes:

Empowerment involves dismantling stereotypes and challenging societal norms. Malala Yousafzai and Gitanjali Rao, a young inventor and advocate, both defy stereotypes by pursuing their passions fearlessly. Their stories inspire girls to believe in themselves and pursue fields traditionally considered male-dominated.

#### Legal and Social Reforms:

Empowering women necessitates legal and social reforms that protect their rights and ensure equality. The movement led by women like Ruth Bader Ginsburg, a trailblazing U. S. Supreme Court Justice, has resulted in landmark decisions that have advanced women's rights and gender equality.

#### Conclusion:

Empowering women is not just a matter of fairness; it is an investment in the progress and well-being of society as a whole. When women are empowered, they become agents of positive change, contributing to innovation, economic growth, and social harmony. By celebrating and supporting women's achievements and aspirations, we create a world where everyone can thrive, regardless of gender. As we honor the women who have paved the way, let us continue to work tirelessly to empower women and create a more equitable and prosperous future for all.

## RIDDLES-ANSWERS-ARRYA RAO M-I B

1. Ans: Plate
2. Ans: Orange
3. Ans: Letter E
4. Ans: Camera

## RIDDLES-ANSWERS-SOORYA RANGANATHAN – III A

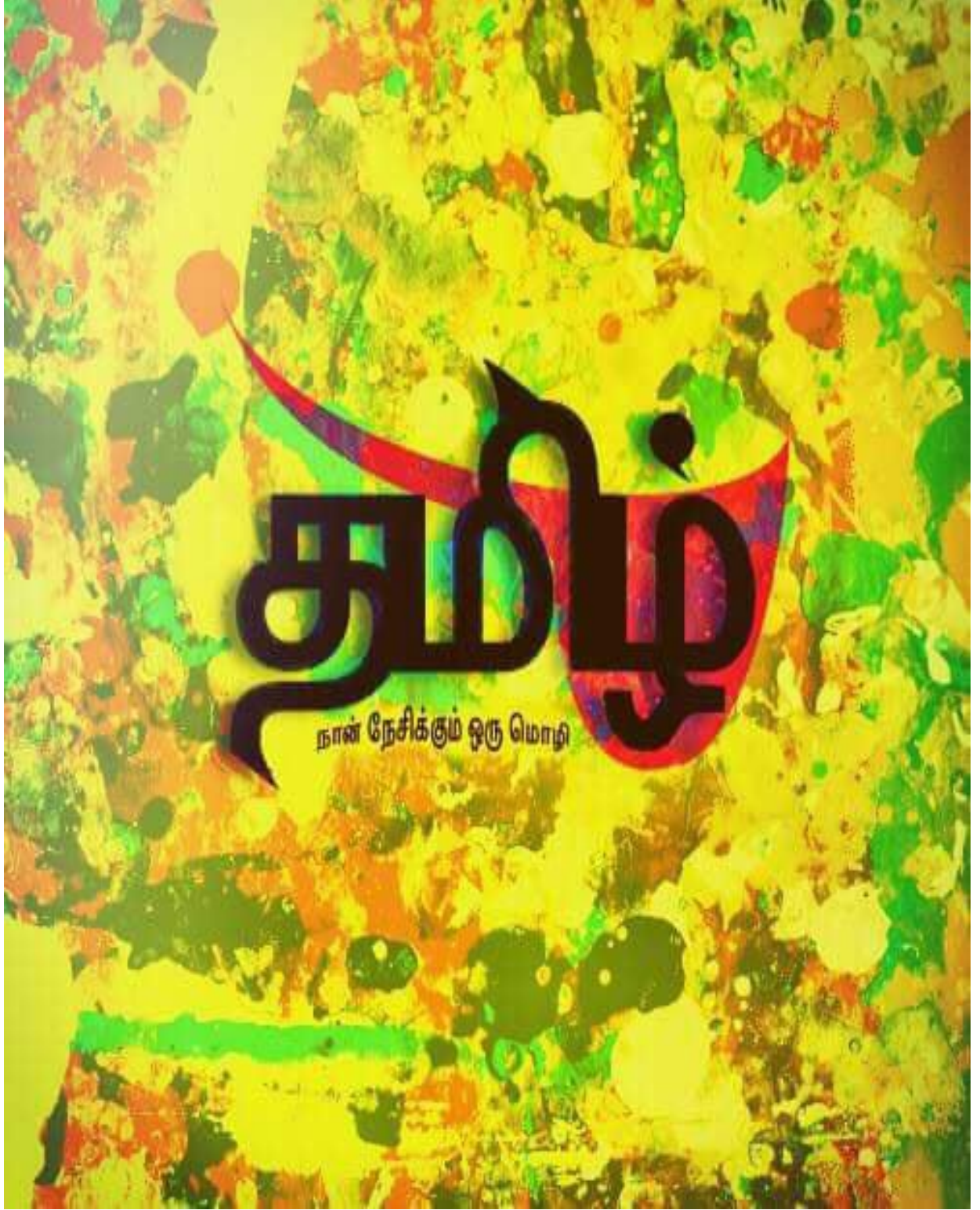
### Answers:

1. A blackboard
2. A book
3. Silence
4. A map
5. A mirror
6. A deck of cards
7. Footsteps
8. Your future





தமிழ்





## சுவாரஸ்யமான உண்மைகள் கவின் ச ச IV-B

தமிழின் முதல் காப்பியம் - சிலப்பதிகாரம்

தமிழின் முதல் பா வடிவ நாடக நூல் - மனோன்மணியம்.

தமிழின் முதல் இசைப்பாடல் நூல் - பரிபாடல்

தமிழின் முதல் குறவஞ்சி நூல் - திருக்குற்றால குறவஞ்சி

தமிழின் முதல் உலா நூல் - திருக்கயிலாய ஞான உலா

தமிழின் முதல் நாவல் - பிரதாப முதலியார் சரித்திரம்

தமிழின் முதல் சிறுகதை - குளத்தங்கரை அரசமரம்

தமிழில் முதன் முதலில் தொகுக்கப்பட்ட தொகை நூல் -

குறுந்தொகை

## விடுகதைகள் - சாத்விக் அ V-B

1. சிவப்பு நெற்றிக்குள் மஞ்சள் முத்து அது என்ன?
2. சின்ன குதிரைக்கு நூறு கடிவாளம் அது என்ன?
3. சுற்றிலும் கல் நட்டு நடுவில் வெள்ளை வெள்ளி கட்டு. அது என்ன?
4. செம்மண்ணுக்குள்ளே சிவப்பு மனிதன். அது என்ன?
5. சேற்றுக்குள்ளே செங்கோழி முட்டை. அது என்ன?
6. தண்டு இல்லாத வட்ட இலை. அது என்ன?
7. தம்பிக்கு எட்டும் அண்ணனுக்கு எட்டாது அது என்ன?
8. நடமாடும் வீடு கட்டி திடமாக வாழ்வான். அது என்ன?
9. நடைக்கு அஞ்சான் தண்ணீருக்கு அஞ்சுவான். அது என்ன?
10. நூறு குருவிகளுக்கும் நுழைவாயில் ஒன்று. அது என்ன?

## விடாமுயற்சி பிரணிதா வி V-B

ஒரு சமயம் தாசு என்ற பறவை பரந்த காட்டில் வாழ்ந்து வந்தது. கோடைக்காலத்தில் ஒரு நாள் கொடூரமான காட்டுத் தீயானது கொழுந்து விட்டு எரிந்தது. அதன் தீப்பிழம்புகள் காட்டில் இருக்கும் பல மரங்கள், விலங்குகளை விழுங்கிக் கொண்டிருந்தது. மற்ற பறவைகள் வானில் உயரப் பறந்து, பாதுகாப்பான இடத்திற்குச் சென்றுக் கொண்டிருந்தன. ஆனால் தாசுவால் தன்னுடைய அருமையான இருப்பிடம் மற்றும் எரிந்துக் கொண்டிருக்கும் இடத்தை விட்டுச் செல்வதற்கு மனம் வரவில்லை. இரவும் பகலும் தன் ஆற்றல் முழுவதையும் பயன்படுத்தி தனது சிறு அலகில் ஆற்று நீரை நிரப்பிக் கொண்டு, காட்டுத்தீயை அணைக்க தாசு முற்பட்டது. அந்த சிறிய பறவை தாசுவின் அரிதான துணிச்சலும், அசைக்க முடியாத மன உறுதியும் போற்றத்தக்க வகையில் இருந்தது.

“ஊழையும் உப்பக்கம் காண்பர் உலைவின்றித்

தாழாது உஞற்று பவர்”.

என்ற குறளுக்கு ஏற்ப தாசுவின் இடைவிடாத முயற்சியாலும் சிறிது நேரத்தில் பெய்த பெருமழையாலும் காட்டுத் தீ தணிந்தது. ஆம் நண்பர்களே, உங்களிடம் உள்ள மன உறுதியைக் கொண்டு சுற்றுப்புறச் சூழ்நிலையை மாற்றிக் கொள்ளும் முயற்சிகளை இடைவிடாமல் தொடர்ந்து செய்து கொண்டே இருங்கள்.....

சொல் விளையாட்டு - அஸ்மிதா அ - V B

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| நா | பா | ர  | தி | யா | ர் |
| ட  | ட  | இ  | ல  | க் | கை |
| க  | ல் | க  | ன  | வு | ழா |
| ம் | நூ | ள் | க  | ழி | மொ |
| பு | றா | வி | டு | த  | லை |

- முத்தமிழ் என்றால் இயல், இசை, \_\_\_\_\_
- ஓடி விளையாடு பாப்பா என்னும் பாடலை இயற்றியவர் \_\_\_\_\_
- புத்தகத்திற்கு மறு பெயர் \_\_\_\_\_
- வாழ்க்கையில் முன்னேற \_\_\_\_\_ காணுங்கள் என்று அப்துல் கலாம் கூறினார்.
- தமிழ், ஆங்கிலம், தெலுங்கு என்பது \_\_\_\_\_
- சமாதானப்பறவை -----
- பறவைக் கூண்டிலிருந்து தப்பித்து \_\_\_\_\_ பெற்றது
- \_\_\_\_\_ அடைய போராட வேண்டும்.



## வாழ்க்கை - நரேன் ௨ -VII A

“குருவே, வாழ்க்கை மிகவும் சிரமமாய் இருக்கிறது. கவலை, கஷ்டம், வருத்தம் இவைதான் நிறைந்து இருக்கிறது. “அப்படியா?” ஆமாம் குருவே. வாழ்க்கை இன்பமாகவே இருக்க ஏதாவது வழி இருக்கிறதா சொல்லுங்கள், குருவே. “காபி சாப்பிடுகிறாயா?” என்று கேட்டார், குரு. தலை அசைத்தான் வந்தவன். உள்ளே இருந்து ஒரு கிண்ணத்தில் காபித்துள் கொண்டு வந்தார். “இந்தா, சாப்பிடு...” வந்தவனுக்குப் புரியவில்லை. “சாப்பிடு, பாலைக் கொண்டு வருகிறேன்” பிறகு இன்னொரு கிண்ணத்தில் தண்ணீர் சர்க்கரை எல்லாம் வந்தன. “குருவே, இவற்றை எப்படித் தனித்தனியே சாப்பிடுவது? காபியையே உன்னால் தனித்தனியாகச் சாப்பிட முடியவில்லை. வாழ்க்கையும் அப்படித்தான் பிரிக்க இயலாதது” என்றார் குரு. இன்பமும் துன்பமும் கலந்தது தான் வாழ்க்கை

## பழமொழிகளும், விளக்கங்களும் - தனிஷ்கா லோ VII 'A'

1. புண்பட்ட மனதை புகைவிட்டு ஆற்று  
பொருள்: மனது புண்பட்டிருக்கும் போது தமக்குப் பிடித்த வேறொரு செயலில் மனத்தைப் புகைவிட்டு ஆற்றிக் கொள்ள வேண்டும்.
2. வெந்து கெட்டது முருங்கை, வேகாமல் கெட்டது அகத்தி  
பொருள்: முருங்கைக்கீரையை அதிகம் வேகவைத்தால் அதன் சத்துகள் நமக்குக் கிடைக்காமல் போய்விடும். அகத்திக்கீரையை அதிகம் வேகாமல் பயன்படுத்தினால் முழுமையாக அதன் சத்து கிடைக்காது.

3. குற்றமுள்ள நெஞ்சு குறுகுறுக்கும்.

பொருள்: குற்றம் செய்தவனின் மனசாட்சி அவனை வருத்திக் கொண்டிருக்கும்.

4. மண் குதிரையை நம்பி ஆற்றில் இறங்கலாமா?

பொருள்: மண் குதிரை என்பது ஆற்றின் நடுவில் இருக்கும் மணல்மேடு. அதை நம்பி ஆற்றில் இறங்கினால் ஆற்றில் சிக்கிக் கொள்ள நேரிடலாம்.

5. அடியாத மாடு படியாது

பொருள்: மாட்டின் கால்களுக்கு லாடம் அடித்தால்தான் கடுமையான வேலைகளைச் செய்ய முடியும்.

### தமிழ் - சரிதா கா வி VII 'A'

மொழிகளிலே சிறந்த மொழி

"எம் தமிழ்மொழி!"

மரபுகள் தோன்றும் முன்னே இருந்தது

"எம் தமிழ்மொழி!"

இலக்கணங்களுக்கு இலக்கணமாய் இருந்தது

"எம் தமிழ்மொழி!"

வள்ளுவன் கம்பன், ஓளவை, பாரதி போற்றிய மொழி

"எம் தமிழ்மொழி!"

அன்பும், வீரமும் கலந்த மொழி

"எம் தமிழ்மொழி!"

உயிரும், மெய்யும் கொண்டது

"எம் தமிழ்மொழி!"

தலைசிறந்த புலமைகளும், அரசியலும் கொண்டது

"எம் தமிழ்மொழி!"

கலைவண்ணமும், கற்பனை வளமும் கொண்டது

"எம் தமிழ்மொழி!"

அறம் செய்ய விரும்பு முதல் கம்பன் வீட்டுத்தறியும் கவிபாடும்  
முதல் ஓடி விளையாடு பாப்பா முதல்....

வையத்துள் முன் மொழியாம் எம் தமிழ்மொழியைப்

போற்றி வணங்குகிறேன்

தாய்த்தமிழ் வாழ்க!

### சிந்தனைத்துளிகள் - ஜஸ்வந்த் எஸ் ஜே -VII A

- எத்தனை கைகள் என்னைத் தள்ளி விட்டாலும் என் நம்பிக்  
'கை' என்னைக் கைவிடாது !
- முட்களை ரசிக்கக் கற்றுக்கொள் வலிகளும் பழகிப்போகும்...
- அடுத்தவரோடு ஒப்பிட்டு உன்னை நீயே தாழ்த்திக் கொள்ளாதே  
உலகத்தில் பெஸ்ட் நீயே !
- முடியும் வரை முயற்சி செய்  
உன்னால் முடியும் வரை அல்ல  
நீ நினைத்ததை முடிக்கும் வரை....



## இயற்கை - நவ்யா ஆ VII A

காணும் இடம் எல்லாம் பச்சை நிறம்  
இதை வருணிக்கத் தோன்றுதே என் நெஞ்சின் ஒருபுறம்

பூக்களின் வண்ணநிறம்  
வண்ணத்துப்பூச்சியைக் கவரச் செய்ததே

ஒரு வேதியியல் அதனாலே  
இவ்வலகில் உள்ளது தனி மதிப்பியல்

என்னை இயற்கையின் மடியில்  
தவழச் செய்ததே இவ்வழகியல்!

## தமிழ்மொழி - வேலுநாச்சியா ஜோ VII 'A

\* இந்திய அரசால் செம்மொழி என அறிவிக்கப்பட்ட முதல் மொழி தமிழ்.

\* திராவிட மொழிக் குடும்பத்தைச் சேர்ந்த முதல்மொழி என்ற பெருமை தமிழுக்கு உண்டு.

\* பல இடங்களில் பேசப்படும் மொழி தமிழ்.

\* உலகில் உள்ள பல மொழிகளுக்கு இலக்கணம் உள்ளது. அதில் தமிழ்தான் சிறப்பான இடத்தைப் பெற்றுள்ளது.

\* தமிழில் ஒரு சொல்லுக்குப் பல பொருள்கள் இருப்பதைப் போல மொழியின் பெயராக இருப்பதைத் தவிர, 'தமிழ்' என்பதற்கு அழகு, இனிமை மற்றும் இயற்கை போன்ற பல அர்த்தங்கள் உள்ளன.

\* தமிழ் மொழியின் சிறப்புப் பெயர்கள்:

\* அகத்தியம்

\* பொதிகை மொழி

\* தொன்மையான மொழி

\* திராவிட மொழி

\* செம்மொழி

\* பழமையான மொழி

\* பைந்தமிழ்மொழி

### ஆசிரியர்கள் - கௌசிக் நாராயன் வா VIII A

ஆசிரியர்களே

நீங்கள் யார்!?

எங்களை ஏற்றி விடும் ஏணியா?

இல்லை எங்களைத் தாங்கிச் செல்லும் தோணியா?

கேட்டதைத் கற்றுத்தரும் அலாவுதின் பூதமா?

இல்லை அள்ள அள்ளக் குறையாத அட்சய பாத்திரமா ?

உங்கள் மதிப்பிற்கு இல்லை ஒரு எல்லை!

உங்கள் அன்பைச் சொல்ல வார்த்தைகள் இல்லை!

நாங்களும் உங்களது பிள்ளை!

## நட்பு - ஆதர்ஷ் சோனு VIII A

அழியாத நினைவுகளும்  
கலையாத நிகழ்வுகளும்  
மறவாத சந்திப்புகளும்  
மாறாத நேசங்களும்  
தீராத ஏக்கங்களும்  
முறியாத தொடர்புகளும்  
இருக்கும் வரையில்  
நட்பு என்றும்  
அழிவதில்லை.

## ஆசிரியர்கள் - ஆதர்ஷ் சோனு VIII A

தவறுகளைத் திருத்தி  
தன்னை வருத்தி  
திறமையை ஊக்குவித்து  
பரிசுகள் கொடுத்து  
சிந்தனையைத் தூண்டி  
சிற்பங்களாக மாணவர்களைச் செதுக்கும்  
சிறந்த சிற்பிகள் ஆசிரியர்கள்!



நம் ஒவ்வொருவருக்கும் இருக்கும் ஒரு குணம் !

லேகா சு VIII A

நம் ஒவ்வொருவருக்கும் இருக்கும் ஒரு குணம் , வாழ்க்கைப் பயணத்தில் இன்றியமையாத ஒரு குணம் - மீள்தன்மை என்பது துன்பங்களில் இருந்து மீண்டு வருவதற்கும், மாற்றத்திற்கு ஏற்ப மாற்றுவதற்கும் மற்றும் வாழ்க்கை சவால்களைத் தைரியத்துடனும் வலிமையுடனும் எதிர்கொள்ளும் திறன் ஆகும்.

நம் வாழ்வில், பெரியது சிறியது என எண்ணற்ற மாற்றங்களைச் சந்திக்கிறோம். சில நேரங்களில், ஒரு மாற்றம் எதிர்பாராதது மற்றும் அது அச்சுறுத்தலாக இருக்கலாம். இருப்பினும், இந்த மாற்றங்களுக்கு நாம் எவ்வாறு பதிலளிப்போம் என்பதே உண்மையாக முக்கியமானது .மாற்றத்தை நிலை நிறுத்துவதற்கு மட்டுமல்ல, அதை எதிர்கொண்டு செழித்து வளர்வதற்கும் மீள்தன்மை முக்கியமானது.

நம்மைச் சுற்றி வளைந்து கொடுக்கும் தன்மைக்கான உதாரணங்களைக் காணலாம். சூரிய ஒளியை அடைய ஒரு இளம் செடி மண்ணை உடைப்பதைப் பற்றி சிந்தியுங்கள். அது துன்பத்தை எதிர்கொள்கிறது, ஆனால் அது தழுவி வலுவடைகிறது. அதேபோல மனிதர்களும் நம்பமுடியாத அளவிற்கு மீள்தன்மை உடையவர். நாம் போர்கள், பொருளாதார நெருக்கடிகள் மற்றும் உலகளாவிய தொற்றுநோய்களை எதிர்கொண்டோம். தனிப்பட்ட போராட்டங்கள், துயரங்கள் மற்றும் இழப்புகளை நாம் எதிர்கொண்டுள்ளோம். ஆனாலும் , இப்போது நாம் அதை எதிர்கொண்டு வலுவாகி இருக்கிறோம் .மாற்றத்தின் போது ,

நம்மிடம் இருந்த நமக்குத் தெரியாத மறைந்திருக்கும் பலத்தையும், திறமைகளையும் அடிக்கடி கண்டுபிடிப்போம் . அது ஒரு நிலக்கரித் துண்டு அழுத்தத்தில் வைரமாக மாறுவது போன்றது. நாம் எதிர்கொள்ளும் ஒவ்வொரு சவாலும், நாம் எதிர்கொள்ளும் ஒவ்வொரு மாற்றமும் வளரவும், கற்றுக்கொள்ளவும், பிரகாசிக்கவும் ஒரு வாய்ப்பாகும். மீள்தன்மையின் சக்தி, சிரமங்கள் இருந்தபோதிலும் முன்னேறிச் செல்வது மற்றும் இருண்ட சூழ்நிலையிலும் கூட நம்பிக்கையைக் காண்பது. மீள்தன்மை வளர்ப்பதில் கல்வி முக்கியமான பங்கு வகிக்கிறது. மாறிவரும் உலகத்திற்குத் தேவையான அறிவு மற்றும் திறன்களை அது நமக்கு அளிக்கிறது .மாற்றத்தை எப்படி ஏற்றுக்கொள்வது , அதிலிருந்து கற்றுக்கொள்வது மற்றும் வலுவாக வெளிவருவது எப்படி என்பதை இது நமக்குக் கற்றுக்கொடுக்கிறது . மீள்தன்மை வளர, நாம் நல்ல மனநிலையைப் பேணுவதை நினைவில் கொள்ள வேண்டும்,

நண்பர்கள் மற்றும் குடும்பத்தினரின் ஆதரவைப் பெற வேண்டும் மற்றும் தேவைப்படும்போது உதவி கேட்க ஒருபோதும் பயப்பட வேண்டாம். வளர்ச்சி மற்றும் சுய கண்டுபிடிப்புக்கான ஒரு வாய்ப்பாக மாற்றத்தை ஏற்றுக்கொள். மற்றும் எல்லாவற்றிற்கும் மேலாக, உங்கள் வழியில் வரும் சவால்களைச் சமாளிக்கும் உள் வலிமை உங்களுக்கு உள்ளது என்பதை நினைவில் கொள்ளுங்கள் .இந்த வாழ்க்கையை நாம் கடந்து செல்லும்போது, நமது சொந்த பயணம், நாம் எதிர்கொண்ட மாற்றங்கள் மற்றும் நாம் காட்டிய மீள்தன்மை ஆகியவற்றைப் பற்றி சிந்திப்போம். மன உறுதியோடும், தைரியத்தோடும், நம்பிக்கையோடும் மாற்றத்தை எதிர்கொள்வோம் .

## சித்தர்கள் - விஷ்வா அ VIII-A

சித் - அறிவு, சித்தை உடையவர்கள் சித்தர்கள். நிலைத்திருக்கும் பேரறிவு படைத்தவர்கள் சித்தர்கள். சித்தர்கள் என்றால் நிறைமொழி மாந்தர் என்றும் அறிஞர்கள் என்றும் பொருள்படுவதாக பழந்தமிழ் நூல்கள் கூறுகின்றன.

அ) சித்தர்கள் எனப்படுபவர்:

சித்தம் என்பது மனமாகும். தன்னிச்சையாகத் திரியும் மனத்தினை அடக்கி, இறைவனிடம் செலுத்துகின்றவர்கள் சித்தர்கள் ஆவார். சித்தர்கள் என்போர் இயமம், நியமம், ஆசனம், பிராணாயாமம், பிரத்தியாகாரம், தாரணை, தியானம், சமாதி முதலிய எட்டு வகையான யோகாங்கம் முலம் எண் பெருஞ்சித்திகளைப் பெற்றவர்கள் ஆவர். "சித்தர்" என்ற சொல்லுக்கு சித்தி பெற்றவர் என்பது பொருள்.

ஆ) சித்தர்களின் கொள்கை:

பரமாத்மா எங்கும் தனியாக இல்லை. நமது உடம்பு தான் பரமாத்மாவின் இடம் ஆதலால் கடவுளைத்தேடி எங்கும் அலைய வேண்டாம். உடம்பைப் பேணுவதே கடவுட்பணி, உடம்பினுள்ளேயே பரமாத்மாவைக் கண்டு மகிழ்ந்திரு என்பது சித்தர் கொள்கை.

இ) தமிழ்ச் சித்தர்கள்:

சித்தர் மரபை நோக்குங்கால், இதுவரை கண்டுள்ள எண்ணிக்கை கட்டுக்கடங்காதது. சித்தர்களில் 18 பேர் தலையாய சித்தர்கள். ஆவர்கள்:



சன்மார்க்கச் சித்தர்கள் - திருமூலர், போகர்.

ஞானச் சித்தர்கள் - பட்டினத்தார், பத்திரகிரியார், சிவவாக்கியர், பாம்பாட்டிச் சித்தர், பேய்ச் சித்தர், குதம்பைச் சித்தர், அமுகண்ணர், இடைக்காட்டுச் சித்தர்.

காயச் சித்தர்கள் - கோரக்கர், கருவூர்ச் சித்தர், மச்சமுனி, சட்டமுனி, சுந்தரானந்தர், உரோமுனி.

ஈ) சித்த வைத்தியம்:

சித்தர்களின் வைத்திய முறைகள் காலம் குறிப்பிடப்பட முடியாத பழமையானதாக இருக்கிறது. அறிவின் சிகரமே சித்த வைத்தியமாகும். மனித குலத்தைக் காக்கும் பொருட்டு, அன்றைய கலாச்சாரத்திற்கேற்பவும், மனித வாழ்க்கை முறைக்குத் தேவையான, அனைத்து ஆரோக்கிய முறைகளையும் மிக எளிய வைத்திய முறைகளை, அனைவரும் செய்துகொள்ளும் பொருட்டு தந்தனர். மக்கள் அனைவரும், ஒழுக்கம் தவறாமல் வாழவேண்டும் என்றும், பொய், சூது, கொலை, குடி, விபச்சாரம், கூடா ஒழுக்கம் ஆகியவை உடல் நோயை உண்டாக்கும் என்றும் யோகப் பயிற்சியிலே வாழ்வில் வெற்றி பெறமுடியும் என்றும் உடல் வலிமையுடன் நீண்டநாள் வாழ முடியும் என்றும் சித்தர்கள் பல பாடல்கள் பாடியுள்ளனர்.

"உன்னுள்ளும் இருப்பான் என்னுள்ளும் இருப்பான்

உருவம் இல்லா உண்மை அவன்.

இதை உணர்ந்தார் இங்கே உலவுவதில்லை

தானும் அடைவார் அந்நிலை தன்னை." என்பவற்றைப் பின்பற்றி அறிவுடன் வாழவேண்டும்.

## நம்பிக்கை - லக்ஷிதா சி - VII B

இந்த உலகத்தையே ஜெயிக்க வேண்டும் என்று புறப்பட்டார் அலெக்சாண்டர். ஒரு கட்டத்தில் சிட்னஸ் நதிக்கரைக்கு வந்து சேர்ந்தார். அந்த சமயத்தில் அவருக்குக் கடுமையான வியாதி வந்துவிட்டது.

அவர் கூடவே வந்திருந்த கிரேக்க வைத்தியர்கள் எவ்வளவோ முயற்சி செய்தும் அந்த நோயைக் குணப்படுத்த முடியவில்லை. அது எந்த வகையான நோய் என்று அவர்களால் கண்டுபிடிக்க இயலவில்லை.

ஏனென்றால் இது அந்தப் பகுதியிலேயே இருப்பவர்களுக்கு வரக்கூடிய ஒரு வினோதமான நோய். ஆகையால் அந்த கிரேக்க வைத்தியர்களால் இந்த நோயைக் குணப்படுத்த முடியவில்லை.

அலெக்சாண்டர் இருப்பதோ எதிரியினுடைய இடம். பாரசீக மன்னருடைய ஆளுகைக்கு உட்பட்ட இடம் அது. இந்த வியாதியை குணப்படுத்த என்ன செய்வது என்று அனைவரும் யோசனை செய்து கொண்டிருந்தனர்.

பாரசீக மன்னரின் அரண்மனை வைத்தியர் வந்து மருந்து கொடுத்தால் இந்த நோய் குணமாவதற்கு வாய்ப்பு இருப்பதாக தெரிவித்தனர், இருந்தாலும் எதிரி நாட்டுடைய வைத்தியரை அழைத்து எப்படி வைத்தியம் செய்வது என்று அங்கிருந்து

அனைவரும் தயங்கினர். ஆனால் அலெக்சாண்டரோ அவரை வரவழைத்து வைத்தியம் பார்ப்பது என்று முடிவு செய்தார்.

முடிவு செய்தது மாதிரியே அரண்மனை வைத்தியரையும் அழைத்து வரச் சொல்லி ஆள் அனுப்பி விட்டார். அரண்மனை வைத்தியர் வந்து அலெக்சாண்டரைப் பரிசோதனை செய்துவிட்டு அலெக்சாண்டருக்கு வந்திருப்பது என்ன வகையான நோய் என்பதையும் கண்டுபிடித்து விட்டார்.

இந்த நோயைக் குணப்படுத்தி விடலாம் பயப்படுவதற்கு ஒன்றுமில்லை அதற்கு ஒரு மூலிகை ரசம் தயாரித்துக் கொண்டு வர வேண்டும், இன்று முடியாது நாளை மூலிகை ரசம் தயாரித்துக் கொண்டு வருகிறேன், என்று சொல்லிவிட்டு கிளம்பினார்.

சொன்னது மாதிரியே ரசம் தயாரித்து மறுநாள் கொண்டு வந்து விட்டார். இதற்கு இடையில் அலெக்சாண்டர் உடைய தளபதிகளில் ஒருவர் ரகசியமாக எச்சரிக்கை கடிதம் ஒன்று கொடுத்து அனுப்பி இருந்தார். அதில் அந்த வைத்தியர் கொண்டுவரும் மருந்தில் விஷம் இருப்பதாகவும், அந்த மருந்தை அருந்த வேண்டாம், என்றும் அதில் எழுதி இருந்தது.

இதை அலெக்சாண்டர் பார்த்துவிட்டு எந்தவித சந்தேகமும் இன்றி வைத்தியர் கொடுத்த மூலிகை ரசத்தைக் கடகடவென்று குடித்துவிட்டார். அதன் பிறகு அந்தக் கடிதத்தில் இருந்த விஷயத்தை அந்த வைத்தியரிடம் கூறினார். அதைக் கேட்ட வைத்தியர் ஒரு நொடி திகைத்து நின்று விட்டார் தன்மீது



அலெக்ஸாண்டர் வைத்திருந்த நம்பிக்கையை பார்த்து அந்த வைத்தியருக்கு மிகவும் வியப்பாக இருந்தது.

வைத்தியர் கொடுத்தது என்னவோ சுத்தமான மூலிகை ரசம் தான், அதில் விஷம் எதுவும் கலக்கவில்லை, அதன் பிறகு அந்த வைத்தியரைப் பார்த்து அலெக்சாண்டர் கூறினார், நம்பிக்கை என்ற

**அச்சாணியை வைத்துதான் இந்த உலகம் சுற்றிக்**

**கொண்டிருக்கிறது, எனக்கு எதிரியாக இருந்தாலும் பாரசீக மன்னர் மிகவும் பெரியவர். அப்படிப்பட்டவர் அரண்மனையில் இருக்கும் அரண்மனை வைத்தியர் நல்லவராகத்தான் இருக்க வேண்டும், தொழில் நேர்மை இல்லாதவராக இருக்க வாய்ப்பில்லை, அப்படி இருந்தால் அவரை அரண்மனை வைத்தியராக வைத்திருக்க மாட்டார்கள் என்ற ஒரு நம்பிக்கை தான் நான் வைத்தேன், என்னுடைய நம்பிக்கை வீண் போகவில்லை. அதற்கு தகுந்தாற்போல் நீங்களும் நடந்து கொண்டீர்கள் என்று அலெக்சாண்டர் கூறினார். இதுதான் மானுட நம்பிக்கை என்பது ஒருவர் மீது நம்பிக்கை வைத்தால் அது உண்மையானதாகவும் தெளிவானதாகவும் இருக்க வேண்டும். இல்லை என்றால் நம்பிக்கை வைக்கக் கூடாது...**



தலைமுறை தலைமுறையாக - கோபிகா க - IX A

ஆண்பால்

பரண்

சேயோன்

ஓட்டன்

பூட்டன்

பாட்டன்

தந்தை

பெண்பால்

பறை

சேயோள்

ஓட்டி

பூட்டி

பாட்டி

தாய்

நாம்

ஆண்பால்

மகன்

பெயரன்

கொள்ளு பெயரன்

எள்ளுப் பேரன்

பெண்பால்

மகள்

பெயர்த்தி

கொள்ளுப்பெயர்த்தி

எள்ளுப் பெயர்த்தி

## விடுகதைகள் விடைகள் - சாத்விக் அ V-B

1. மிளகாய்
2. தறி
3. தேங்காய்
4. சர்க்கரை வள்ளிக்கிழங்கு
5. வெங்காயம்
6. அப்பளம்
7. உதடு
8. நத்தை
9. செருப்பு
10. வாழைப்பூ

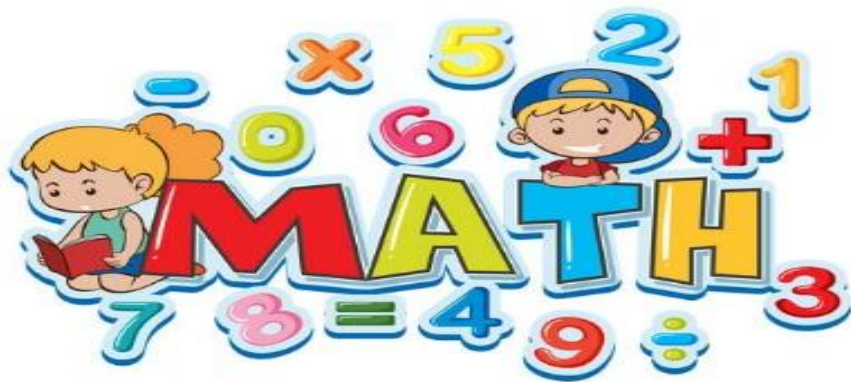
## சொல் விளையாட்டு விடை -அஸ்மிதா அ - V B

1. நாடகம்
2. பாரதியார்
3. நூல்
4. கனவு
5. மொழிகள்
6. புறா
7. விடுதலை
8. இலக்கை





# MATHS

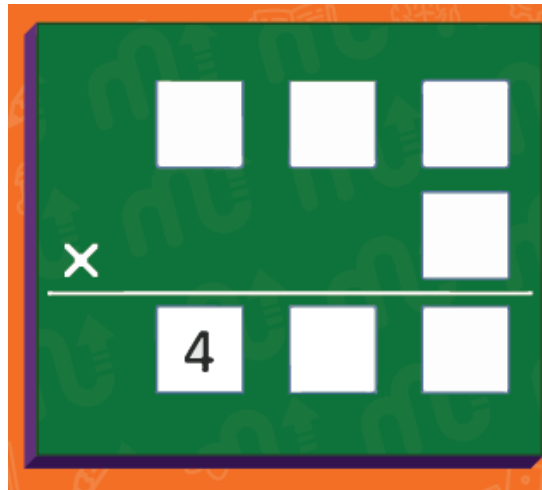




## MATH RIDDLES: SOORYA RANGANATHAN- III A

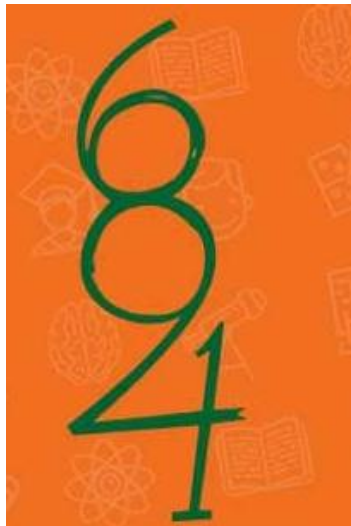
### RIDDLE 1:

How would you place the numbers from 1 to 6 in the given box without repeating to get the product?



### **RIDDLE 2:**

**HOW MANY NUMBERS CAN YOU SEE HERE?**



## MATHS MAGIC- PREKSHA S III A

You can have fun by playing this magical Maths game with anyone!!!!!!

Ask them to calculate this:

1. Think of a 3-digit number with all the digits different.  
Eg. 256.
2. Reverse the digits of your number. Eg. 652.
3. Subtract the smaller number from the larger number.  
 $652 - 256$  is 396.
4. Ask them to tell the hundreds digit or the ones digit and you will be able to tell them the whole answer without knowing what numbers they chose!



The answer always has a 9 in the tens column.

The hundreds digit and ones digit always adds up to 9.

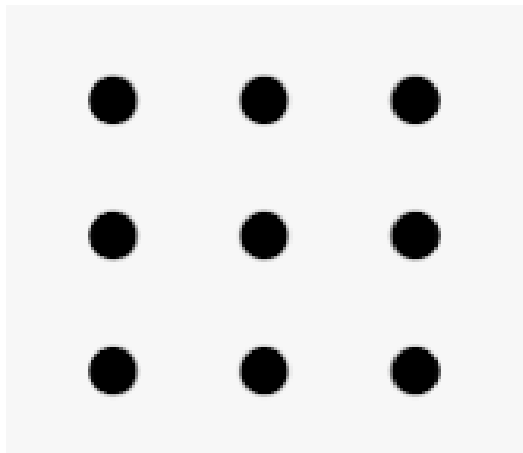
If the opposite person says the hundreds digit is 3 you can work out that the ones digit must be  $9-3=6$

So the number must be 396.

If the player says the hundreds digit is 6 that means the ones digit will be  $9-6=3$  and the whole answer is 693.

## MATHS PUZZLE - AKASH CHANDRU L - III A

Can you try to join all 9 dots with 4 straight lines, without taking the pencil, and not go over any line twice?



## INTERESTING NUMBER - SHASMITHA L - IV B

In mathematics, no number can be divided by all the numbers from 1 to 10, but this one number is very strange. This number was discovered by Indian mathematicians with their unwavering intelligence.

See this number **2520**.

It seems to be one of many numbers but in reality, it is not. It is a number that has surprised many mathematicians around the world. This is the smallest number that can be divided by any number from 1 to 10, whether even or odd.

It sounds like really amazing and interesting number. Now, look at the table.

$$2520 \div 1 = 2520$$

$$2520 \div 2 = 1260$$

$$2520 \div 3 = 840$$

$$2520 \div 4 = 630$$

$$2520 \div 5 = 504$$

$$2520 \div 6 = 420$$

$$2520 \div 7 = 360$$

$$2520 \div 8 = 315$$

$$2520 \div 9 = 280$$

$$2520 \div 10 = 252$$

## DID YOU KNOW? - CHIMALA SAHASRANJALI V A

- Abacus is considered the origin of the calculator.
- 12345678987654321 is the product of 111,111,111 X 111,111,111.
- Plus(+) and Minus(-) sign symbols were used as early as 1489 AD
- An icosagon is a shape with 20 sides.
- From 0 to 1000 the letter “An” only appears in 1000.
- A jiffy is an actual unit of time for  $1/100^{\text{th}}$  of a second.
- Four is the only number in the English language that is spelt with the same number of letters as the number itself.
- In a group of 23 people, at least two have the same birthday with the probability greater than  $1/2$ .
- Among all shapes with the same perimeter a circle has the largest area.
- Among all shapes with the same area, the circle has the shortest perimeter.
- In 1995 in Taipei, citizens were allowed to remove 4 from street numbers because it sounded like ‘death’ in Chinese.
- The word FRACTION derives from the Latin “fractio – to break”
- 

## LAUGH OUT LOUD-SIVAPRIYA M-V A

After a talking sheepdog gets all the sheep in the pen, he reports back to the farmer:”  
All 40 accounted for”

“But I only have 36 sheep,” says the farmer.

“I know,” says the sheepdog. “But I rounded them up”

### **Questions:-**

1. What happened to the plant in Math class?
2. Why wasn't the geometry teacher at school?
3. Why did I divide sin by tan?
4. Why did the mutually exclusive event break up?



## FACTS - SAI PRANAV S – VI B

- 1) I am an odd number. Take away one letter and I become even. What Number am I?
- 2) I am a three digit number. My second digit is four times bigger than the third digit my first digit is less than my third digit who am I?
- 3) I am a fraction. If you add 5 to both my numerator and denominator, the fraction becomes  $\frac{3}{4}$ . What fraction am I?
- 4) What number goes up and doesn't come back down?

## MATHS RIDDLES THANISHKA VII A

- 1 How many days are there in four years?
- 2 The ages of a father and a son add up to 99. The father's age is reverse of son's age. How old are they?
- 3 How many 9's are there between 1 and 100?
- 4 Using only addition, add eight 8's to get the number 1,000.

## E=MC<sup>2</sup> EINSTEIN'S IMMORTAL EQUATION – LEKHA S VIIIA

It has been more than a century since Albert Einstein arrived at his immortal equation. It can rightly be said that a new physics began with him; his legacy will stay with us for a long time to come. The equation bearing his name is as famous as Einstein himself, having been immortalized by its utter simplicity, profound meaning, and impact on our civilization.

E=MC<sup>2</sup>, the equation, which relates energy (e) to mass (m) and the speed of light (c), can be expressed simply, a small amount of mass can be converted into a large

amount of energy. Its message is that the mass and energy of a body are convertible, and the mass of a body measures its energy.

The equation  $E=MC^2$  becomes even more fundamental when we consider the unit of  $c$ , the speed of light, as 'one light year per year'. In this case,  $C^2$  converts to  $i$ , and the equation simplifies further to  $e=m$ , implying that energy and mass are one and the same. This is the simplest, most fundamental and most profound equation ever evolved by humanity.

Einstein formulated this equation in 1905. Now the question is, how has Einstein arrived at this equation? How and why others could not answer to this question? Even though Einstein was really smart at math, he didn't come up with  $E=MC^2$  by doing a lot of math. He wasn't the first to think about mass and energy being the same, and he didn't prove it either. He just suggested the equation. To understand why he became famous for it, we need to know a bit about science back then and Einstein's life.

In 1905, Einstein's year of greatness came to be known as the "Miracle Year." During that year, he submitted his doctoral thesis and four major papers, ultimately revolutionizing modern physics. His last paper, entitled "Does the inertia of a body depend upon its energy content? Following up on his prior submission of a "special theory of relativity" in June.

In his paper, Einstein did not explicitly state the formula  $MC^2$ ; rather, he used the letter 'I' to signify energy. He posited that if something gives out energy as light, its mass would become a little smaller. He also argued that the energy in something is akin to its "inertia," or tendency to remain stationary. This was in line with the idea of  $E=MC^2$ . He was the first to understand the connection between energy and mass throughout the cosmos. Additionally, he proposed experiments to validate his hypothesis.

Most authors before thought that the energy adding mass only came from electricity, magnetic fields. Others wrote papers using math, but Einstein wanted to find a fundamental law for the whole universe, which showed his incredible brilliance.

In this idea, Einstein's solution to the issue was easy. Yet really, it's not just about being good at math, but also about how brave and imaginative he was and how clear his thinking was.

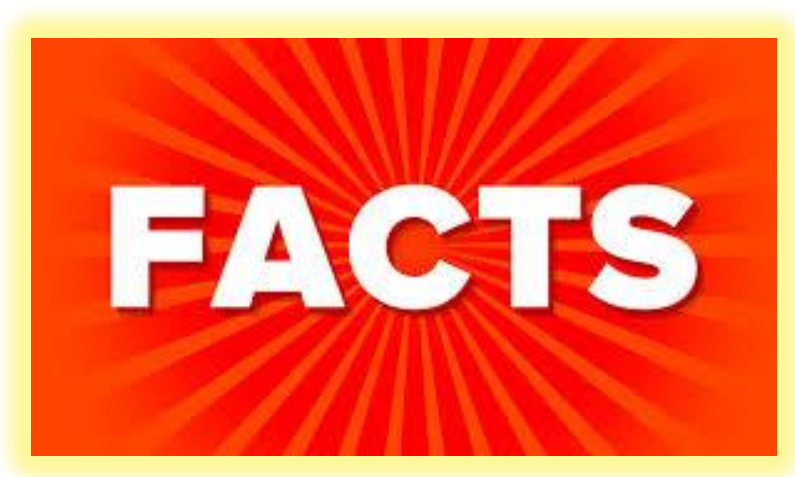
In conclusion, the equation  $E=MC^2$  is famous. Symbol in physics that shows how energy and mass are deeply linked. Albert Einstein came up with this simple but amazing formula that changed how we see the universe. It's not just about Science has also influenced technology and opened new paths of discovery.  $E=MC^2$  proves

how human thinking and curiosity can uncover the universe's mysteries in exciting ways.

## **FABULOUS FACTS ABOUT MATHEMATICS-SAHANA G VIII B**

1. One can observe that all odd numbers, which are those ending in 1, 3, 5, 7, or 9, contain the letter e. Therefore, it can be concluded that the presence of the letter e is a common characteristic of all odd numbers.
2. In the decimal number system, there are 10 digits from 0 to 9. It is also known as the Hindu Arabic numeral system, invented more than 1000 years ago
3. What comes after million, billion, and trillion? You can term the numbers after these terms as quadrillion, quintillion, sextillion, septillion, octillion, nonillion, and decillion.
4. In the Indian number system, when we write numbers from 0 to 1000, the letter A only appears first in 1000 (one thousand).
5. The idea of zero was invented by an Indian mathematician and astronomer Brahmagupta in around 600 A. D. He contributed a lot to mathematics and astronomy, and is known for explaining how to find the cube and cube-root of an integer.
6. Number 9 is also known as the magic number. This is because if we find the digital sum of digits (sum of digits till we get a single digit) of any multiple of 9, we will get 9. For example, consider  $9 \times 99 = 891$ . Now the digital sum is  $8 + 9 + 1 = 18$  and again  $1 + 8 = 9$ .
7. The signs Plus (+) and Minus (-) were discovered as early as in 1489 A.D.
8. 26 is the only natural number sandwiched between a perfect square number (25) and a perfect cube number (27).
9. We all have heard about the Pythagoras theorem. But there is also something which is known as Pythagoras constant. The square root of 2 i.e. 1.41 was the first irrational number to be discovered which is known as the Pythagoras constant.

10. In any circle, ratio of the circumference and diameter is always constant. This constant quantity is known as  $\pi$ . It is a special number which is irrational. There is a designated day, called Pi day, that we celebrate on March 14.



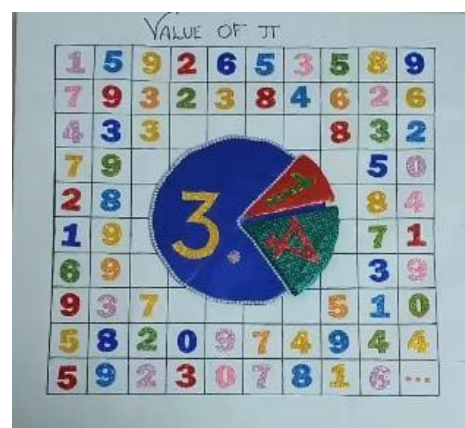
### INTERESTING FACTS ABOUT $\pi$ – ISWARYA P XII B

#### INTRODUCTION:

- The value of Pi is first calculated by Archimedes of Syracuse.
- Pi is approximately equal to 3.14, in fractional form it is equal to  $\frac{22}{7}$ .

#### FACTS ABOUT PI:

- Pi is the 16th letter in Greek alphabet.
- Pi is a part of Egyptian mythology. It is being said that the Pyramids of Giza are built with the principles of Pi.
- Pi is literally infinitely long but the sequence of 123456 does not appear in the first million digits of Pi.
- The value of Pi has been calculated over 62.8 trillion digits by Swiss researchers.

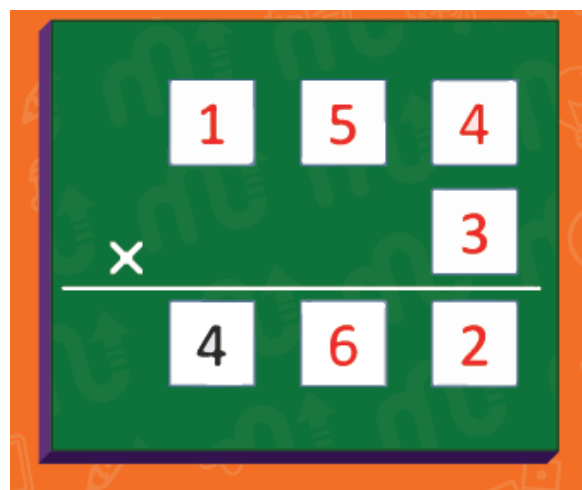




- Since the exact value of Pi can never be calculated, we can never find the accurate area or circumference of a circle.
- March 14 is observed as Pi day (3 denotes the month of March and 14 denotes the date).
- Some international mathematicians choose July 22 to celebrate Pi day as most countries write date as day/month. So, July 22 is written as 22/7.
- Interestingly, the most famous scientist in the world has a connection to Pi day. Albert Einstein was born on March 14th.
- World record: Akira Haraguchi from Japan memorized and recited 100,000 digits of Pi in the year 2006.
- The calculation of the value of Pi is always a stress test for a computer's processor.

### MATH RIDDLES: ANSWERS- SOORYA RANGANATHAN- III A

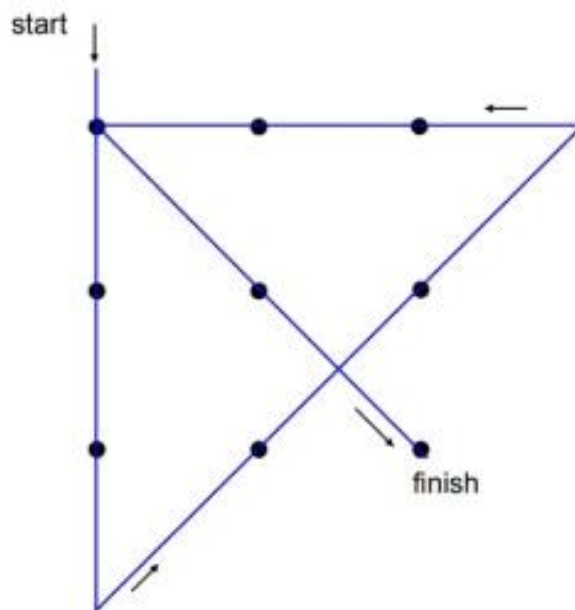
#### RIDDLE 1:



#### *RIDDLE 2:*

**The correct answer is 7 (1, 2, 3, 4, 6, 8, and 9).**

## MATHS PUZZLE-ANSWERS-AKASH CHANDRU L III A



## LAUGH OUT LOUD-ANSWERS -SIVAPRIYA M-VA

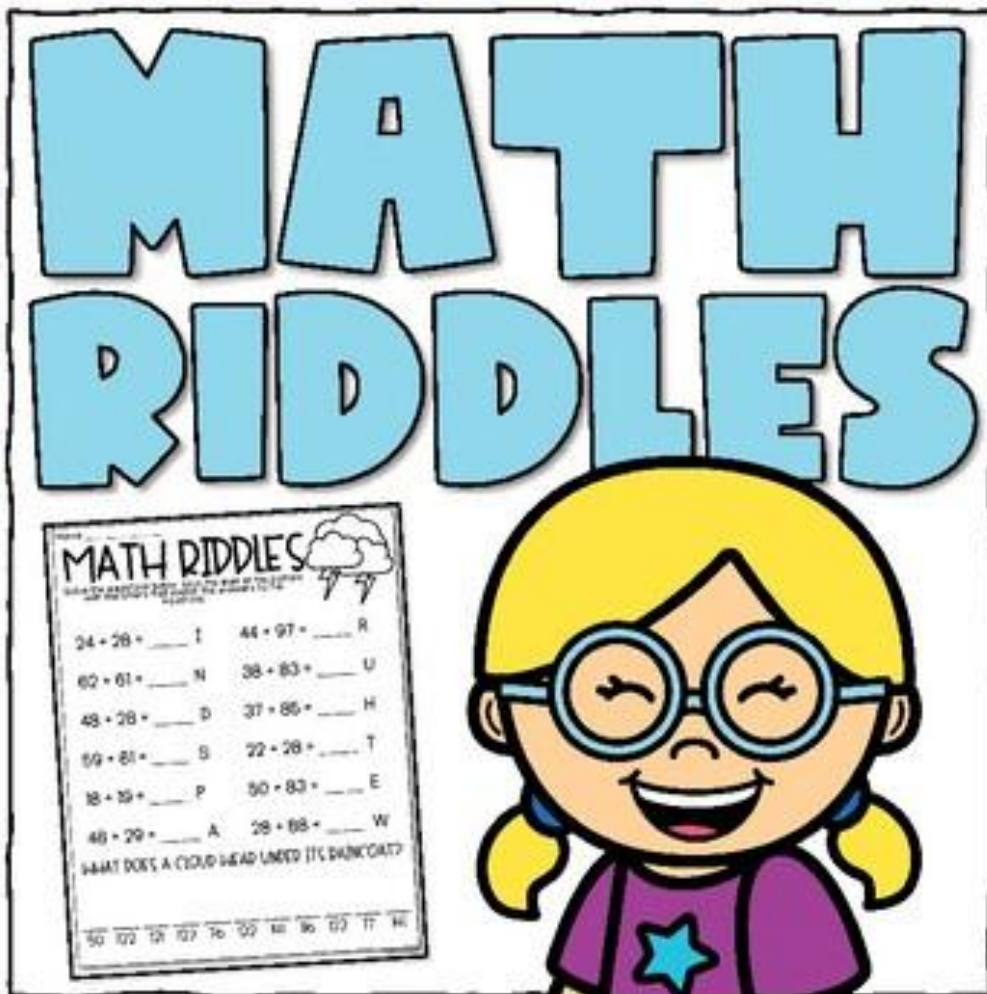
1. It grew square roots.
2. Because she sprained her angle!!
- 3 Just cos
4. They had nothing in common.

## FACTS - ANSWERS -SAI PRANAV S– VI B

- 1) The number is 'seven'. If you remove the letter 's' from 'seven' you get the word even
- 2) 182
- 3) 1 / 3
- 4) Your age

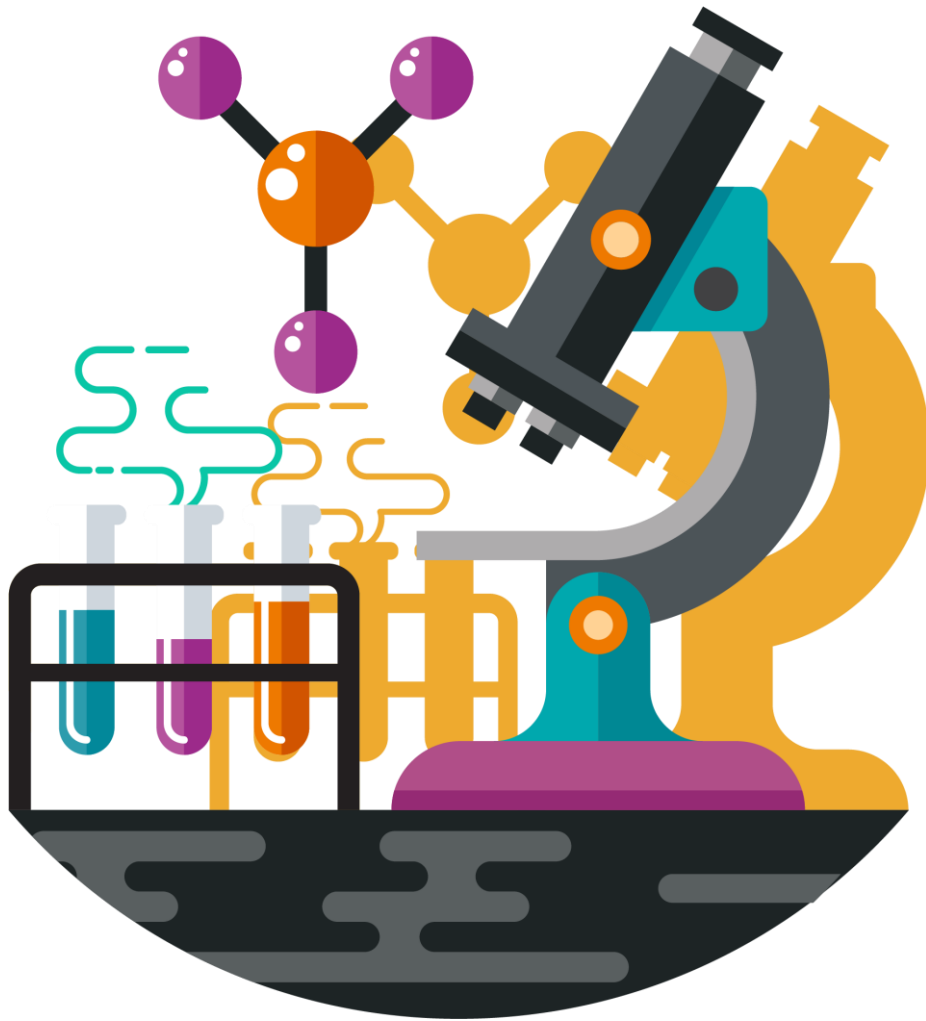
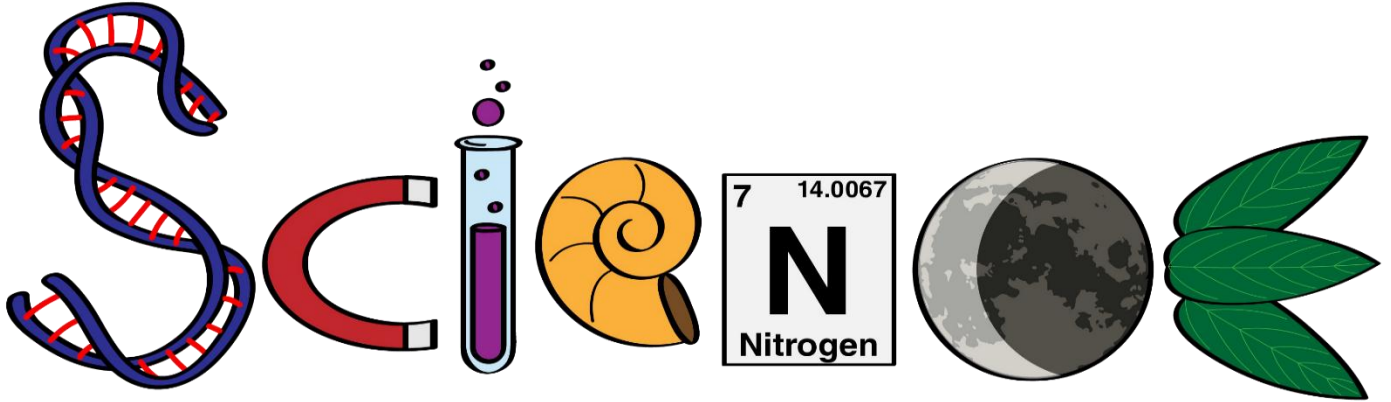
## RIDDLES- ANSWERS - THANISHKA L- VII A

- 1)  $(365 \times 4) + 1 = 1461$  because one of the year is a leap year
- 2) The father's age is 63 years and the son's age is 36 years
- 3) 20 Nines
- 4)  $888 + 88 + 8 + 8 + 8 = 1000$





# SCIENCE





## SCIENCE RIDDLES SAI KESAV J -III B

1. Which weighs more - a ton of concrete or a ton of feathers?
2. What falls but never breaks?
3. What are the 10 things that you can always count on?
4. I am under your face and outside your mind. What am I?
5. What kind of tree can fit in your hand?
6. What is a Christian priest's favourite part of physics?
7. I am a god, a planet and I can measure heat. What am I?
8. I am hard as a stone but you can find me in your mouth. What am I?
9. I am a liquid secreted in your mouth, I mix with your food. Who am I?

## GUESS ME! - PRANAVI P - IV B

- 1) What absorbs water from the Soil?  
a) stem    b) roots                      c) leaves
- 2) What do we call water that is in a solid state?  
a) ice      b) water vapour    c) liquid
- 3) There is \_\_\_ air in space.  
a) less    b) more                      c) no
- 4) In which season are the nights much longer than days?  
a) Spring b) Summer c) Winter
- 5) To measure the volume of milk, which of the following units can be used?  
a) Kilometers b) Milliliter    c) Millimeter

- 6) Which of the following words describes the moment a seed begins to grow?  
a) Pollination b) Flowering c) Germination
- 7) The world's only floating post office is at \_\_\_\_\_ in India.
- 8) There are \_\_\_\_\_ metropolitan cities of India.
- 9) \_\_\_\_\_ in Chennai along the Bay of Bengal is India's longest and world's second longest beach.
- 10) \_\_\_\_\_ is called as Land of Midnight Sun.

### **DID YOU KNOW? - PRANAVI P - IV B**

**Do you know what material is used to make Indian currency notes?**

**We keep currency notes of most denominations in our wallet. But have you ever wondered what material the notes are made of?**

**Well, most of us believe that notes are made of paper but that's not true.**

**The Reserve Bank of India prints currency using Cotton.**

**Bank notes are made using special formula, which are a mix of 75% cotton and 25% linen.**

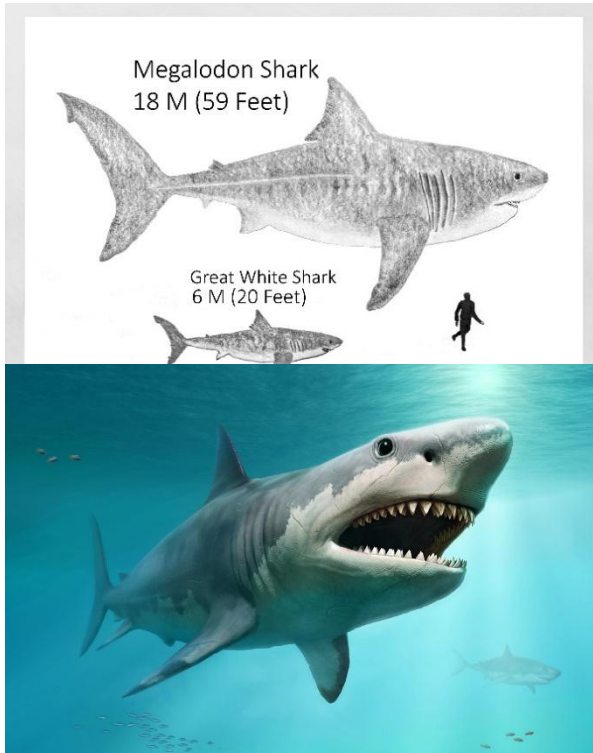
**During printing process, the cotton is mixed with a gelatin adhesive solution that makes them last longer.**

### **GREAT INVENTIONS -SAATHVIK A V - B**

1. What did King Camp Gillette invent?
2. Who were the father and son believed to have invented the bicycle during the 1860s?
3. Who invented the modern electronic pocket calculator?
4. What brand of air conditioner was named after its inventor?
5. Which English man invented the machine gun in 1718?

6. Who was the first person to detect radio waves?
7. Who invented the first mechanical voting machine in 1892?
8. Who invented the pencil sharpener in 1847?
9. Who was the inventor of paper in 105 A.D.?
10. Who invented the photocopy process based on electrostatic energy called 'Xerography'?
11. Who was awarded 'Emmy' for the invention of the TV remote?
12. Which Scottish doctor discovered chloroform and used it in surgeries?
13. Who was the English man who discovered one of the gases in air was oxygen in the 18th century?
14. Which English scientists discovered the vaccine for smallpox?
15. Which lift elevator manufacturing companies are named after its inventor?

## **MEGALODON-THE SUPERSIZE SHARK - ANU RAGHAVI R VIII A**



megalodon.

Since sharks first appeared hundreds of millions of years ago, the world has experienced ice ages, meteors, earthquakes, growing and shrinking seas, and more. Throughout all of these environmental changes, sharks have roamed the ocean.

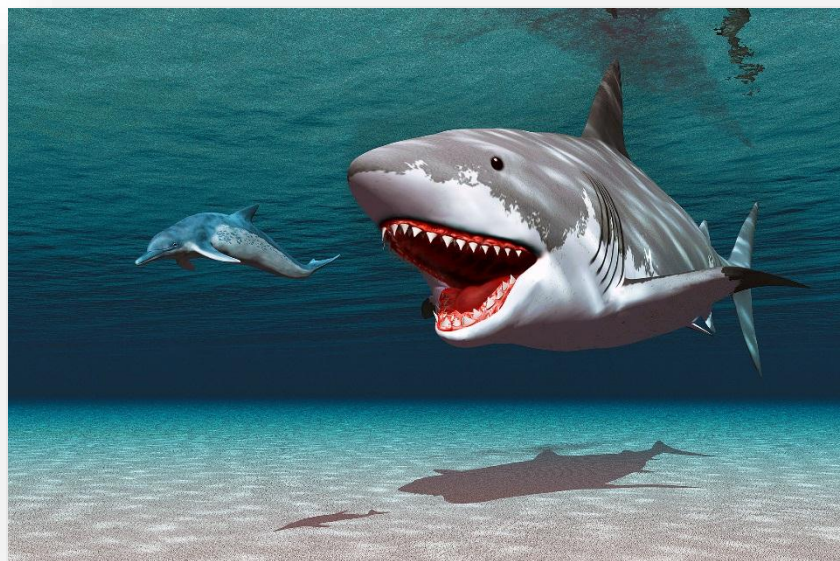
The most famous prehistoric shark, *Carcharocles megalodon*, nicknamed megalodon or megatooth, ruled the seas from about 17 million years ago up to almost three million years ago. The colossal predator reached lengths up to 60 feet, stretching as long as a boxcar. The only marine animal ever to outweigh the massive megalodon is the blue whale, which weighs up to 200 tons, or just more than double the size of a

Paleontologists estimate the humongous shark needed to devour 2,500 pounds of food a day. That's like you are intaking 3,300 cans of tuna every day. Like the rest of its body, megalodon's mouth was huge, too. Its jaws could open wide enough to swallow two adults standing side by side. The giant shark used its sharp, banana-size teeth to chow down on whales, dolphins, seals, and probably other sharks.

Megalodons were found in warm waters across Earth, their teeth have been discovered all over the world. Scientists have found hundreds of megalodon teeth in oceans and beaches in multiple countries. Studying them has helped researchers learn more about these extinct animals, like the fact that megalodons likely spent most of their time in shallow waters close to shore. Being the biggest, toothiest fish in the sea, not able to protect newborn megalodons, which were about six feet long from other predators.

Paleontologists think that when the climate changed a couple of million years ago and other large marine mammals moved into colder waters, the megalodons were left behind without enough food to survive. Some people argue that megalodons could still be swimming in unseen parts of the ocean.

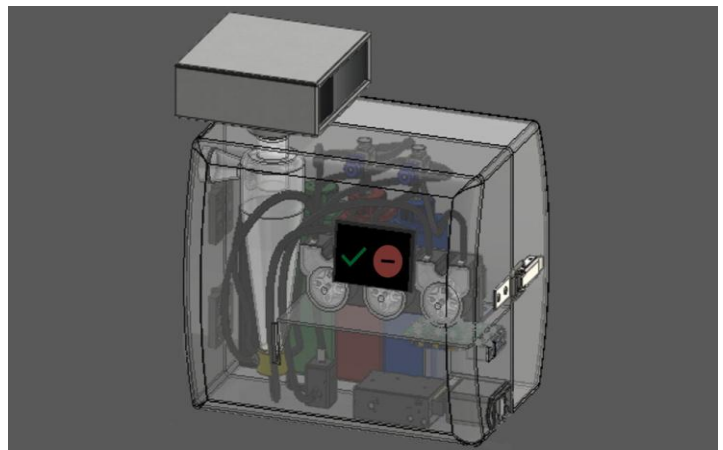
SOURCE: WIKIPEDIA





## A NEW DEVICE THAT CAN QUICKLY DETECT CORONAVIRUS IN THE AIR TO PREVENT ITS' SPREAD – LAKSHYA R IX A

The COVID-19 pandemic will forever be associated with unprecedented lockdowns and inconveniences such as wearing masks in public. And that's largely because health experts had no idea exactly where the SARS-CoV-2 virus was lurking, and how risky crowded settings such as workplaces, classrooms, and public transportation were. Researchers have created a machine that can detect airborne SARS-CoV-2 coronavirus in minutes. It takes only [five minutes to detect](#) as few as seven to 35 viral particles per litre of air. Rajan Chakrabarty, an aerosol scientist at Washington University in St. Louis, and his team worked “nonstop” for three years to create the detector. He says, one of the main challenges when sampling airborne viruses is collecting enough air to concentrate viral particles at detectable levels. Previous attempts have sucked in between 2 and 8 cubic meters of air per minute. This detector pulls in 1,000 cubic meters of air each minute. The key to the new COVID-19 detector's success is a super-fast method of circulating air into the device that mimics a cyclone. It pulls air at about a thousand litres a minute from the environment, creating a conical shape that traps any particles circulating in that flow. The device is equipped with a biosensor that does two things. First, it takes advantage of tiny molecules obtained from llamas that stick exceptionally well to the spike protein of SARS-CoV-2 to pull out any virus that might be present. Next, an electric current is passed through the biosensor and causes oxidation of a specific amino acid in the spike protein, the final reaction that verifies the presence of the SARS-CoV-2 virus.



In lab tests, the device was 77% to 83% accurate in detecting the COVID-19 virus, including its latest variants. (It detects SARS-CoV-2, but cannot distinguish between the different variants.) The team also sent prototypes to two people who tested positive for COVID-19 and who volunteered to use the device in their homes. The air samplers accurately detected the virus after five minutes of sampling. Viral RNA exhaled or expelled by an infected person doesn't remain in droplet form but becomes aerosolized into particles five to 10 micrometers

in diameter. Given that, a room with a single infected individual can contain as few as 10 RNA copies of the SARS-CoV-2 virus per cubic meter of air.

There are still some challenges to overcome. For instance, the device is about as noisy as a vacuum cleaner or a ringing phone. That's probably too loud to use continuously in a classroom or office, Marr says but could be tolerated if run for 10 minutes.

Such detectors cost about \$1,400 to \$1,900 to build in a research lab, Chakrabarty says. Commercial versions may initially be too expensive for home use, Marr says, but could be used in hospitals, airports and other public areas to survey for the virus. Marr and Chakrabarty suggested that the devices could be linked into HVAC systems, which could ramp up ventilation and filtration if the viruses are found.

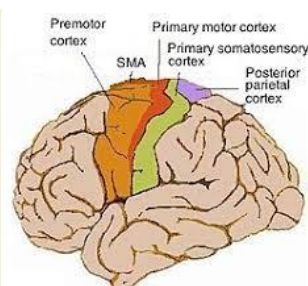
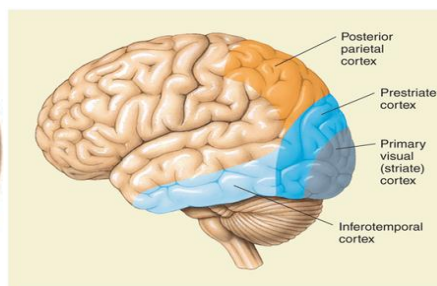
<https://time.com/6294198/covid-19air-detector/>

## SEE ME, TOUCH ME. INTERESTING FACT! HARSHA VARDHAN S - IX B

There is a belief that loss of one sense strengthens others.

Scientists have found evidence for this process. Normally sight and touch are handled by different parts of the brain- **the first in the visual cortex and the other in the sensory motor cortex.**

A team of scientists led by Norihiro Sadato in Japan found that in blind people, the visual cortex may be taken over to perform other tasks. When blind people used their fingers to scan the text written in Braille, **scientists measured an increase in blood flow in the visual cortex.**

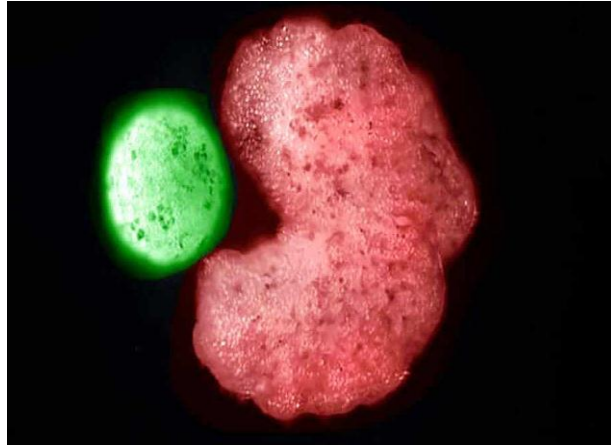


When scanning meaningless dots on page, brain activity was restricted to the sensorimotor cortex. On the other hand, for sighted but blindfolded people (trained in Braille), whether the page contained Braille or meaningless bumps, the act of scanning the page with the finger only activated the sensorimotor cortex.

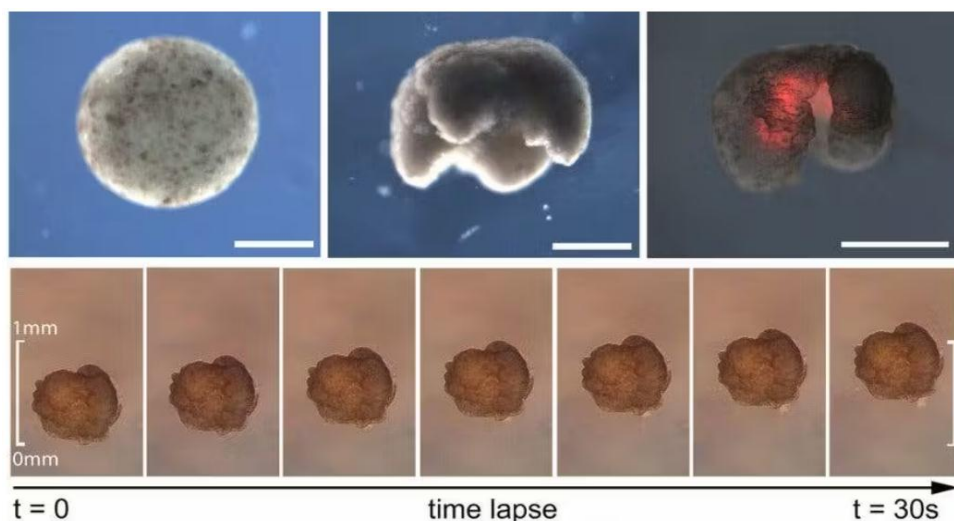
This suggests that how pathways in the brain get “weird” during learning is much more complex than previously imagined.

Source: vedantu, brainly, study pool

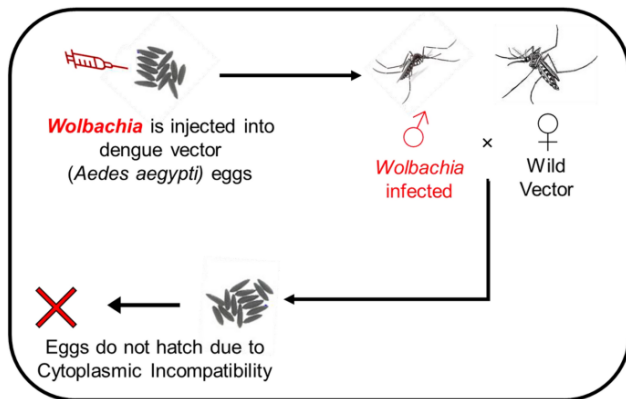
## XENOBOTS - A SYNTHETIC LIFE FORM – ROHAN D – X A



Xenobots is a synthetic life form designed by four scientists using AI. Synthetic life experiments concentrate on the regeneration of the degraded species or evolution of life from abiotic components of the environment. Xenobots are self-healing robots created by using stem cells from frogs. Due to their self-repairing ability Xenobots can be used to cure neurodegenerative diseases such as Alzheimer's, Cancer-related issues and Parkinson's diseases (A brain disorder that causes uncontrollable movements). In future Xenobots may facilitate repair tissues and regenerative medicine. Xenobots not only help in treating diseases but it also helps in cleaning water bodies. Currently Xenobots are mainly used to observe how cells combine as a complex body during Morphogenesis (to develop a shape).



## CONTROLLING MOSQUITOES WITH GENETICALLY MODIFIED HEROES- ANIRUD R - X B



- Imagine a world where superheroes come to the rescue, not in capes, but in the form of tiny mosquitoes! That's precisely what's happening in Singapore, where scientists have introduced genetically modified mosquitoes to tackle the spread of dangerous diseases like 'Zika virus and dengue'.

- The primary culprit responsible for transmitting these viruses is the '*Aedes aegypti*' mosquito. To fight these disease-spreading pests, scientists came up with a brilliant idea involving a tiny bacterium called "Wolbachia" and a group of superheroes known as "Wolbachia-carrying mosquitoes."

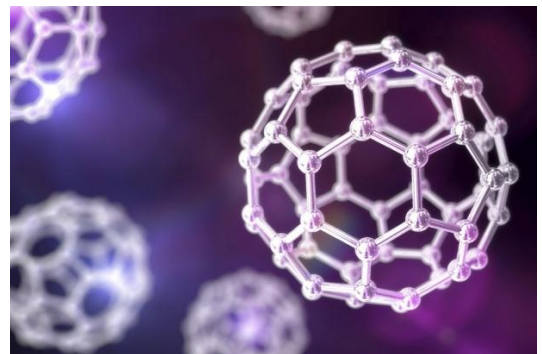
- The brains behind this innovative approach are scientists and researchers working with Singapore's National Environment Agency (NEA). They wanted to find a safer and more eco-friendly way to control mosquito populations instead of using harmful chemical insecticides. These scientists are the true superheroes, dedicated to protecting our health and environment.
- The concept is pretty cool, but how does it work? Well, it's quite simple! The scientists genetically modified male *Aedes aegypti* mosquitoes to carry the Wolbachia bacterium. When these heroic mosquitoes mate with wild female mosquitoes, their offspring do not hatch. It's like a secret weapon against the mosquitoes! By controlling their ability to reproduce, the mosquito population is reduced significantly, making it harder for them to spread diseases.
- But wait, is this safe? That's a great question! Before releasing the genetically modified mosquitoes into the wild, these scientists carried out extensive research and tests to make sure they wouldn't harm us or the environment. They worked closely with government agencies and experts to ensure everything was safe and secure.
- The "Wolbachia method" has been a success not only in Singapore but also in other countries like Australia and the United States. It's like a superhero team-up on a global scale!
- This scientific breakthrough gives us hope that we can fight back against mosquito-borne diseases without harming our precious planet. Our teenage minds might not be experts in genetics, but we can be grateful for the superheroes in lab coats who are working hard to make our world a safer place.



- As we learn about the wonders of science and genetic engineering, let's remember that it's essential to use these powers responsibly. With great knowledge comes great responsibility, just like our favorite superhero stories teach us. As we cheer on these tiny genetically modified heroes, let's also cheer for the scientists who are working tirelessly to protect us from mosquito-borne diseases and make the world a better place for everyone.
- Source: Slate.com

## **NANOTECHNOLOGY: THE SMALL SCIENCE WITH BIG POSSIBILITIES - ANIRUD R - X B**

Nanotechnology is an exciting and rapidly advancing field that deals with manipulating matter at the tiniest scale imaginable: the nanoscale. It involves working with structures and materials that are between 1 to 100 nanometers in size, which is incredibly small - about 1 billion times smaller than a meter! In this article, we will explore what nanotechnology is, the visionaries behind its development, its applications in various fields, and how it is being used in the world and India.



### **Understanding Nanotechnology:**

Imagine being able to build and control things atom by atom. That's the concept of nanotechnology! At the nanoscale, the laws of physics behave differently, leading to unique properties and capabilities. Scientists and engineers use nanotechnology to create new materials, devices, and systems that have remarkable properties and functionalities.

### **Pioneers of Nanotechnology:**

The idea of nanotechnology was first proposed by physicist **Richard Feynman**, also known as “**Father of nanotechnology**”, in 1959 during his famous lecture "There's Plenty of Room at the Bottom." However, it wasn't until the 1980s that nanotechnology started to take shape. Scientists like Eric Drexler and Richard Smalley played significant roles in popularizing and advancing the field, laying the groundwork for nanotechnology's growth.

### **Nanotechnology in Various Fields:**

Nanotechnology has the potential to revolutionize numerous industries and impact our daily lives. Here are some of its applications in various fields:

**Medicine:** Nanotechnology is paving the way for advanced drug delivery systems, targeted cancer therapies, and ultra-sensitive diagnostic tools that can detect diseases at early stages.

**Electronics:** In electronics, nanotechnology is leading to smaller and more powerful devices. It enables the creation of nanoscale transistors and memory components, making our gadgets faster and energy-efficient.

**Materials:** Nanomaterials have exceptional properties, such as lightweight, super strength, and unique conductivity. They are used in aerospace, construction, and sports equipment to enhance performance and durability.

**Energy:** Nanotechnology is driving a breakthrough in renewable energy sources like solar cells and improving energy storage systems, making clean energy more efficient and accessible.

**Environmental Applications:** Nanotechnology is being used for water purification, air filtration, and pollution control, helping to create a sustainable and cleaner environment.

### **Current Use of Nanotechnology:**

As of today, nanotechnology is already making a significant impact globally. For instance:

In medicine, nano materials are being used for drug delivery, allowing targeted treatments with fewer side effects. Nanoscale sensors are integrated into consumer electronics to improve performance and energy efficiency. In India, nanotechnology is being applied in water treatment, helping to provide clean drinking water in rural areas. Researchers are exploring nanotechnology's potential in agriculture to develop innovative techniques for pest control and efficient fertilizer use.

### **Conclusion:**

Nanotechnology is an awe-inspiring field with vast possibilities. It has the potential to change the way we live, work, and interact with the world around us. As teenagers, we are the future, and our generation will likely witness the further evolution of nanotechnology and its impact on society. By fostering curiosity and embracing the wonders of nanotechnology, we can contribute in making the world a better place for everyone.

**“The first principle is that you must not fool yourself and you are the easiest person to fool.” – Richard P. Feynman**

**Source: Slate.com**

## JUMBLE WORDS - YASHINI SHREE M - X C

1. Longitudinal waves cannot travel through \_\_\_\_\_.
2. A magnifying glass comprises of simple \_\_\_\_\_ lens.
3. The upward force on a floating body is called \_\_\_\_\_.
4. Primary cause of motion is\_\_\_\_\_.
5. \_\_\_\_\_ is a man-made element.
6. "Every particle in this world is made up of very fine particles “who said this first?
7. Which gas is used in the yellow street lamps\_\_\_\_\_?
8. \_\_\_\_\_ is the alloy of copper and zinc.
9. \_\_\_\_\_ carries oxygenated blood from heart to various body parts.
10. Fungi are the plants that lack \_\_\_\_\_.
11. \_\_\_\_\_ is an air- borne disease.
12. Protein is made up of \_\_\_\_\_ acids.

***FIND THE ANSWERS IN THE JUMBLE:***

***FIND THE ANSWERS IN THE JUMBLE:***

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | C | A | L | I | F | O | R | N | I | U | M | P | F |
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| U | J | M | N | Q | H | X | B | D | A | L | T | O | N |
| N | I | U | M | I | E | S | F | R | T | O | P | D | M |
| D | X | I | C | V | M | B | A | O | R | T | A | U | N |
| E | Q | D | N | T | R | A | P | N | R | Z | U | J | B |
| B | U | O | Y | A | N | C | Y | J | G | C | L | C | B |
| S | C | S | S | W | F | I | K | Q | A | Y | E | Y | E |
| Y | P | S | L | D | D | O | L | V | Y | X | W | W | T |
| O | Z | L | L | Y | H | P | O | R | O | L | H | C | I |

## CHANDRAYAAN 3 -A PRECURSOR TO INDIA'S SPACE AMBITION TEJAS P - X C

Chandrayaan 3 is follow -on mission to Chandrayaan 2. Chandrayaan 3 consists of lander and rover unlike its predecessor Chandrayaan 2 which had an orbiter as well. The mission objective of Chandrayaan 3 can be put down in three simple points:

- Ability to perform soft landing on Lunar Surface.
- To demonstrate roving capability on Lunar Surface.
- To perform in situ scientific experiments.

Chandrayaan 3 is a part of technology demonstration mission and does not have many payloads but it has instruments to find the elemental composition of lunar surface, to monitor seismic activities of the moon etc. The most unique aspect which makes this mission interesting is that ISRO has incorporated “failure - based design” unlike the “success based design” incorporated in Chandrayaan 2. This new approach will ensure 100% successful and soft landing. While the entire nation's eyes are set on Chandrayaan 3, it is important that we look into the more important and exciting near future projects that is currently under development, just considering the fact that an Indian could go up to the space after four decades. Here are some of the exciting missions that are currently under development.

### **Aditya- L1**

Aditya -L1 is a spacecraft scheduled to be launched in September first week 2023. It will monitor the Sun at Lagrange point 1 hence its name Aditya L-1. It will study solar atmosphere and solar magnetic storms and its impact on environment on earth.

### **Gaganyaan**

Gaganyaan will be ISRO's first manned mission where a 3 membered crew will be launched in an orbit of 400 km in an orbital spacecraft and its current status is



that some of the safety tests for the crew has been successfully carried out. It is planned to be launched in 2025.

These are some of the exciting endeavours that ISRO will take in the upcoming years and hope that ISRO shall tackle these challenges and continue to inspire our nation.

## **HUBBLE SPACE TELESCOPE: UNVEILING THE WONDERS OF THE UNIVERSE- SHIVA RAM S - XII B**



that have captivated both scientists and the public alike.

One of Hubble's groundbreaking discoveries has been its contribution to the measurement of the universe's expansion rate. By observing distant galaxies and their movements, Hubble played a key role in refining our understanding of the Hubble Constant, a crucial parameter that helps us comprehend the age and size of the universe. This work not only deepened our knowledge of the cosmos but also ignited new debates and avenues of research in astrophysics.

Another remarkable achievement of the Hubble Space Telescope has been its role in characterizing exoplanets—planets that orbit stars beyond our solar system. By analyzing the light passing through exoplanet atmospheres, Hubble has provided valuable insights into their compositions, temperatures, and potential habitability. These discoveries have brought us closer to answering the age-old question: Are we alone in the universe?

Hubble's ability to peer into the depths of space has led to stunning images of galaxies, nebulae, and cosmic phenomena. The iconic Pillars of Creation, located in the Eagle Nebula, showcase towering columns of gas and dust where new stars are being born. These awe-inspiring images not only fuel our imagination but also provide invaluable data for astronomers studying star formation and the evolution of galaxies.

In 2019, the Hubble Space Telescope provided us with a milestone moment—a glimpse of a supermassive black hole's event horizon. The groundbreaking image of the black hole at the heart of the galaxy M87 confirmed theoretical predictions and opened a new chapter in our understanding of these enigmatic cosmic entities.

As the Hubble Space Telescope continues to operate and amaze us, it remains a testament to human ingenuity and the insatiable quest for knowledge. With each new observation and discovery, Hubble reaffirms its place as one of the most important tools in the history of astronomy, inspiring generations to look up and wonder about the vast mysteries of the universe.

Source: <https://www.nasa.gov/mission/pages/hubble/main/index.html>

## UNRAVELLING THE COSMIC PUZZLE: THE SECRET FORCE OF DARK MATTER-ABHISHEK S-XII B

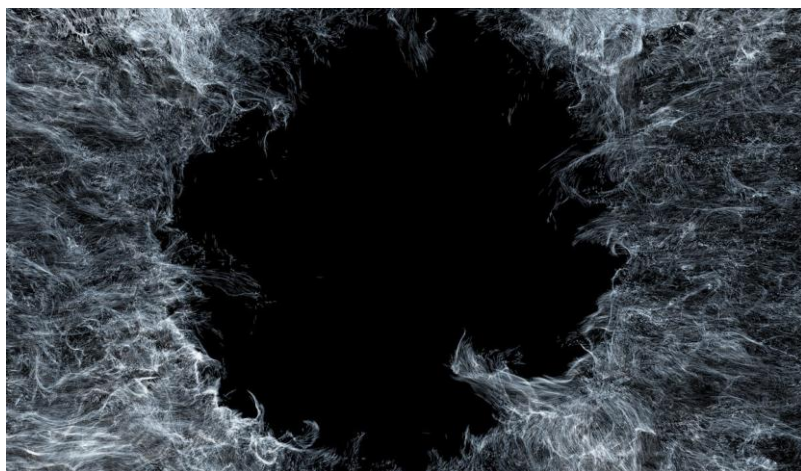
Hello there, curious cosmic explorers! Ever looked up at the night sky and wondered about the missing pieces? Get ready for a cosmic journey into one of the universe's biggest mysteries: the hidden world of dark matter.

Imagine the universe as a gigantic dance floor. Galaxies, those starry dancers, move around like they're doing the cha-cha. But there's a twist – they're spinning faster than they should. Think of it like someone doing a speedy dance move that leaves you scratching your head.

This cosmic riddle led scientists to find something sneaky – that's where dark matter enters the scene. It's like a cosmic ninja, hardly interacting with light or anything we usually see. But it has a secret weapon: gravity.

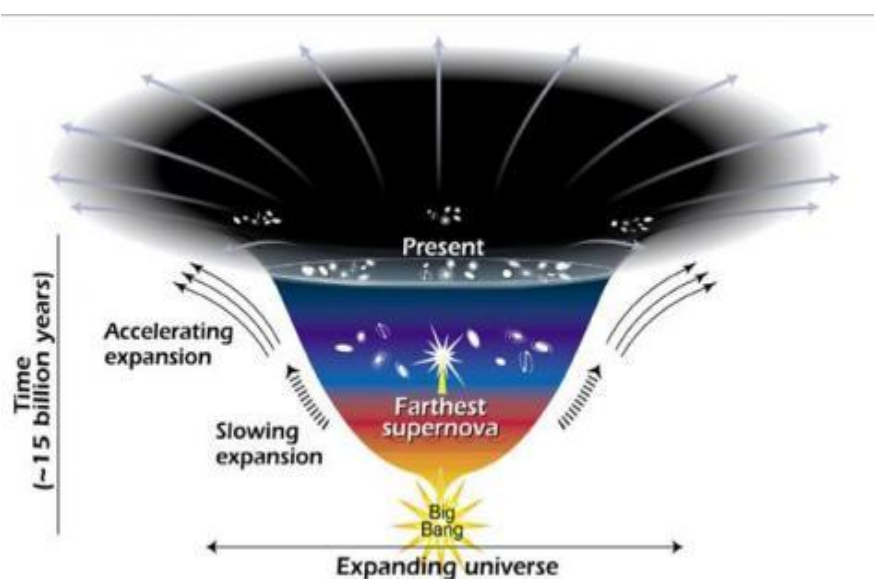
Think of it like this: dark matter's gravity is like a hidden hand helping galaxies twirl and stay together without flying apart. It's like a magical partner making sure everyone's dance moves are just right.

Now, you might ask, "Why can't we see it?" Great question! Dark matter is like a ghost, really hard to spot. It's not made of the same stuff as stars or planets, so it doesn't shine or give off light. It's like looking for shadows in the dark.zzzz



Imagine setting up a cosmic detective trap. Scientists build super fancy detectors buried deep underground to catch a glimpse of dark matter particles. These particles are super shy – they barely talk to the stuff we're made of. But every now and then, they might bump into something, leaving a tiny clue behind. These detectors, like cosmic secret agents, might catch a whisper of dark matter's hidden dance moves.

But wait, there's more! Dark matter's gravity also works like a magnifying glass. When light from faraway galaxies travels through places with dark matter, it bends like a cosmic magnifying glass. This helps us make maps of where dark matter might be hiding.



And here's the big reveal: dark matter isn't just hanging out in the background. It's like the stage manager of the universe, making sure everything goes smoothly. Without dark matter, galaxies would be like dancers without rhythm – a little chaotic.

So, fellow space adventurers, as we ponder the cosmic puzzle of dark matter, remember this: the universe is full of surprises waiting to be uncovered. Just like a sneaky dancer catching your eye with a cool move, dark matter invites us to explore its secrets. While we journey through the cosmos, keep an eye out for cosmic mysteries, because you never know what might show up in the spotlight next!

Source: NASA science, space.com

## MAGNETIC LEVITATION - KEERTHANA A - XII B

**Magnetic levitation (maglev)** or **magnetic suspension** is a method by which an object is suspended with no support other than magnetic fields. Magnetic force is used to eliminate the effects of the gravitational force and any other forces.

### Methods for producing magnetic levitation

For successful levitation, a combination of permanent magnets and electromagnets or diamagnets or superconductors as well as attractive and repulsive fields can be used.

### **Mechanical constraint (pseudo-levitation)**

If two magnets are mechanically constrained along a single axis, for example, and arranged to repel each other strongly, this will act to levitate one of the magnets above the other.

### **Servomechanisms**

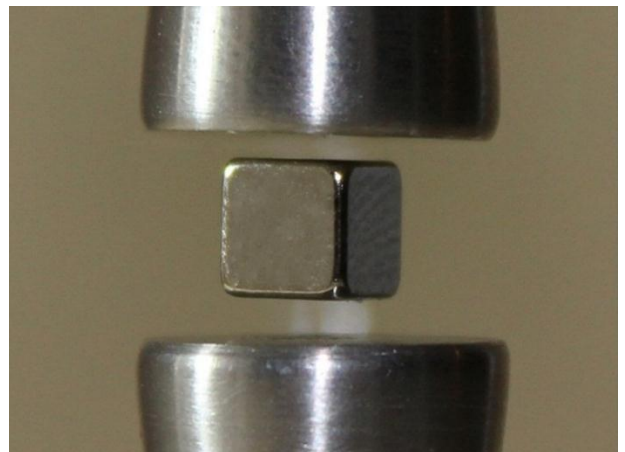
Stable magnetic levitation can be achieved by measuring the position and speed of the object being levitated, and using a feedback loop which continuously adjusts one or more electromagnets to correct the object's motion, thus forming a servomechanism.

### **Induced currents**

When a conductor is presented with a time-varying magnetic field, electrical currents are set up in the conductor which create a magnetic field that causes a repulsive effect.

### **Diamagnetic levitation**

Diamagnetism is the property of an object which causes it to create a magnetic field in opposition to an externally applied magnetic field, thus causing the material to be repelled by magnetic fields.

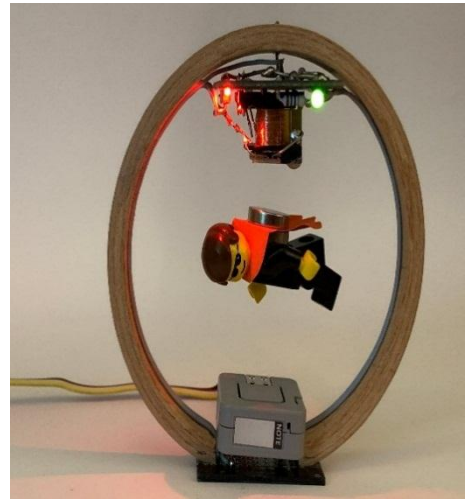


### Applications

It suspends, guides and propels vehicles, predominantly trains, using magnetic levitation from a very large number of magnets for lift and propulsion. This method has the potential to be faster, quieter and smoother than wheeled mass



transit systems. The highest recorded speed of a maglev train is 603 kph. Magnetic levitation is used in maglev trains, contactless melting, magnetic bearing, etc.



Source: Magnetic levitation-wikipedia, Everyone's Magnetism, Physics today

## **SCIENCE RIDDLES -ANSWERS SAI KESAV J -III B**

1. They both weigh the same (a ton).
2. Dusk
3. Your fingers
4. Your Skull
5. The palm tree
6. Mass
7. Mercury
8. Teeth
9. Saliva

## **GUESS ME! -ANSWERS -PRANAVI P - IV B**

1. Roots
2. Ice
3. No
4. Winter
5. Milliliter
6. Germination
7. Dal Lake, Srinagar
8. Nine (Mumbai, Pune, Delhi, Ahmedabad, Surat, Chennai, Kolkata, Bangalore and Hyderabad)
9. Marina Beach
10. Norway

## **GREAT INVENTIONS- ANSWERS - SAATHVIK A V - B**

1. Safety Razors
2. Pierre & Ernest Michaux
3. Jack Kilby
4. Carrier
5. James Puckle
6. Heinrich Hertz
7. Jacob C.Myers
8. Therry Des Estwaux
9. Ts' ai Lun
10. Chester Carlson
11. Robert Adler & Eugene Polley
12. James Young Simpson

13. Joseph Priestley

14. Edward Jenner

15. Otis

**JUMBLE WORDS-ANSWERS - YASHINI SHREE M - X C**

|    |             |     |             |
|----|-------------|-----|-------------|
| 1. | Vacuum      | 9.  | Aorta       |
| 2. | Convex      | 10. | Chlorophyll |
| 3. | buoyancy    | 11. | Measles     |
| 4. | Force       | 12. | Amino       |
| 5. | Californium |     |             |
| 6. | Dalton      |     |             |
| 7. | Sodium      |     |             |
| 8. | brass       |     |             |

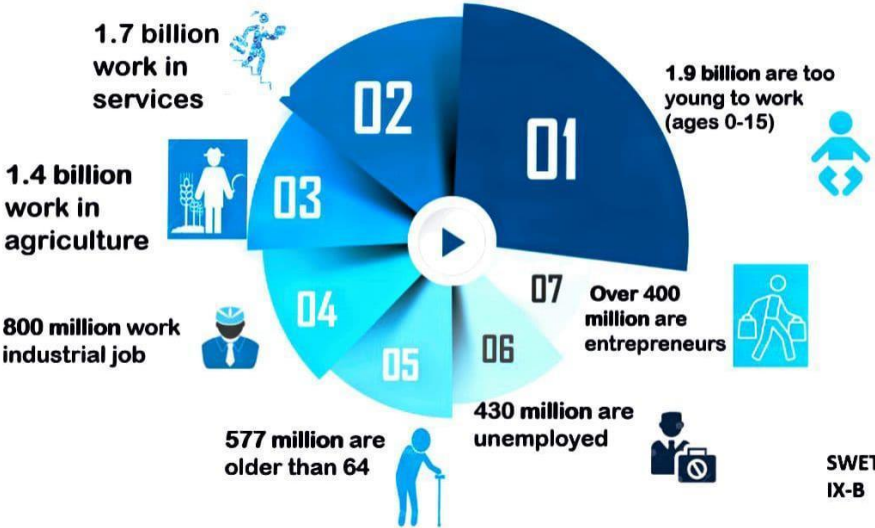




# SOCIAL SCIENCE

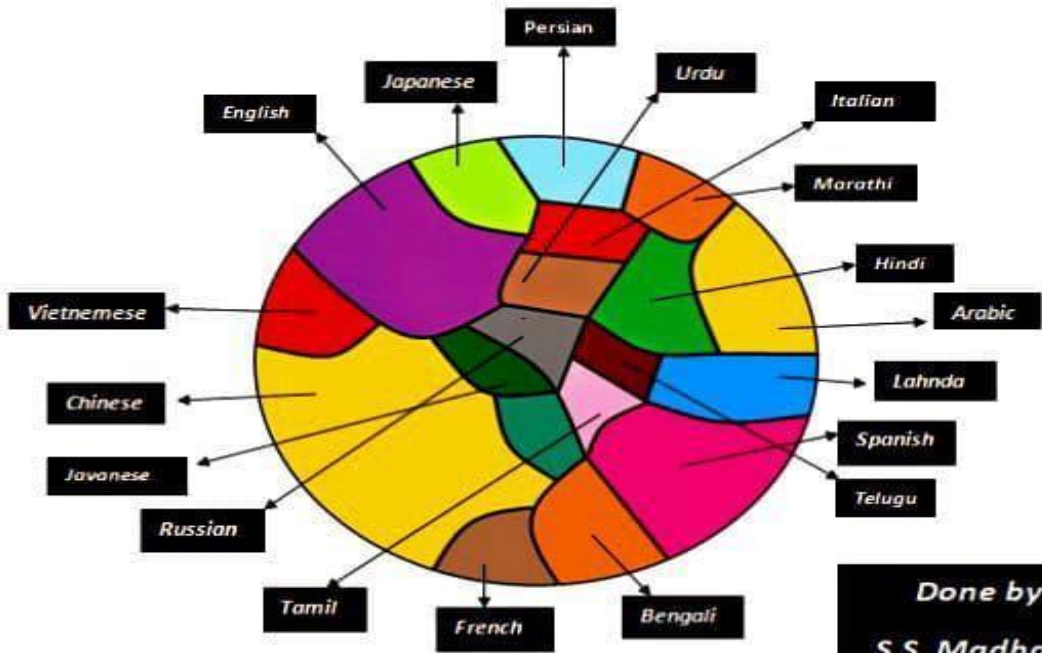
## STATISTICS OF THE WORLD

### What do 7 billion people do ?



SWETHA VG  
IX-B

## Language Around The World



Done by:-  
S.S. Madhavan  
IX "B"



# INFORMATION TECHNOLOGY LAW – A SIMPLE INTRODUCTION

## P. ATHULA KRISHNA VIII - B

You or I may not or need not be Techno Savvy in Information Technology. But there is a serious need for every citizen of this country who directly or indirectly uses ANY electronic data or device to know the basics of this Act.

I shall not take you through the complicated aspects of this law. But, you may note from this write up simply two inputs.



### 1. What is Information Technology Act 2000 and what is the need for the same from a common man's perspective?

*It is an Act to provide legal recognition for transactions carried out by means of electronic data interchange and other means of electronic communication, commonly referred to as —electronic commerce, which involve the use of alternatives to paper-based methods of communication and storage of information, to facilitate electronic filing of documents with the Government agencies and further to amend the Indian Penal Code, the Indian Evidence Act, 1872, the Banker's Books Evidence Act, 1891 and the Reserve Bank of India Act, 1934 and for matters connected therewith or incidental thereto.*

Would you like to have simplified meaning of the above mentioned? Take simple examples in our life; you can easily appreciate the need for this law –

You order Dosa or Pizza online. You give your address, contact details therein. You make payment using your bank account, login details too. Have you ever worried that you are giving your personal details to a computer device which is not a human being to be held responsible for the safety of your data?



You use XPay app in your mobile phone and make payment to a grocery shop. How are you sure that the login credentials in your mobile cannot be hacked by anyone in this world – without your concurrence?

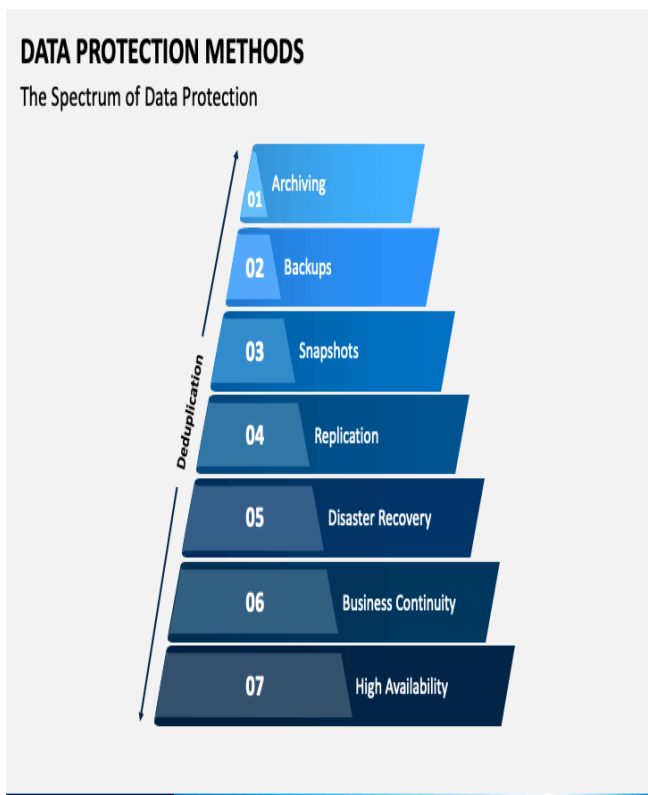


If the data receiver/handler (in the given examples, the Restaurant, the Grocery shop or the Mobile app owner or the Educational Institution or Cab Aggregator) takes due technical care to ensure safety of the data collected by them. All is well. If they fail, what is the remedy to an innocent user like you and I?

The subject is quite new and complicated (perhaps, to me!). Hence I just discussed with an expert with sound knowledge and experience on commercial, financial as well as information technology matters.

The data safety and service availability are ensured by a service provider / data handler through numerous measures like –

- Authentication cross checks,
- Global Positioning System,
- Know Your Customer checks,
- Non Disclosure Agreements,
- Global Exceptional Reports,
- Continuous monitoring,
- Encrypted Data processing,
- Hash Value storing,
- Strict adherence to deny access by unauthorized devices or network or storage devices etc,
- Firewall / Network security softwares
- Anti-Virus Softwares
- Data Loss Prevention methods or Back Up measures



There the Information Technology Act gains importance in all our lives. The government is constantly updating the legal provisions to prevent or restrict the menace of wrong doers and to safeguard the interest of innocent users like us. In addition, even the Nation's security itself need to be protected from the irresponsible and unethical enemies around the world.

## THE ROLE OF TECHNOLOGY IN EDUCATION INSTITUTIONS - LAKSHYA R- IX A



An important challenge for the Indian economy over the next few decades is exploiting the “demographic dividend” of having a large share of the working-age population. This dividend will only be earned with a well-educated workforce, which requires a strong school system.

In recent decades, India has increased school enrolment but struggled to deliver actual learning. An annual survey conducted by the NGO Pratham spotlights large learning deficits in basic reading and arithmetic. Only half of Class V students can read texts meant for Class II. More than half the students in Class VIII struggle to do simple division. Behind these abysmal outcomes are major structural problems including ineffective and sometimes absent school teachers, particularly in rural India.

Education technology (Edtech), mainly information and communication technology, can address these problems by delivering better lessons, training teachers, and motivating students. In recent decades, the cost of computing has plummeted to the point where edtech is feasible even in relatively poor countries. Tablets cost as little as Rs. 2000 and India has the cheapest mobile data plans in the world.

At its most basic, Edtech can help to deliver high-quality lessons in a variety of formats: text, video, games, and interactive tutorials. A well-made video can use the very best teachers and support them with graphics and animations. Once this video has been prepared, it can be watched potentially by millions of students over many years.

A deeper benefit of Edtech is the ability to tailor lessons as per the progress of the student. For example, Mindspark, a computer-assisted learning software developed by an Indian company, delivers lessons through videos, games, and questions on computers and tablets. The software analyses each student’s learning level, pitches content suitable for this level, and adjusts the difficulty according to the student’s progress. A study by MIT’s J-PAL evaluated a version of Mindspark targeted at 619 students in government schools in Delhi and found significant gains in Maths and Hindi. The initiative was also cost-effective with a monthly cost of around Rs. 1000 per student and an estimated cost under Rs.150 if the program was scaled up.

Another application of Edtech, backed by research, is simple behavioral interventions delivered through technology, often just SMS messages. While the benefits of these interventions tend to be moderate, their cost is extremely low making them ideal for a low-budget school system. For example, automated text messages to parents about their child's performance were found to increase both attendance and exam performance.

Edtech can be both a complement and a substitute for teachers. For example, Kenya's literacy program Tusome uses coaches equipped with tablets who visit classrooms, evaluate student reading skills, provide tailored advice to teachers, and upload assessment data to administrators.

Taking advantage of the Edtech opportunity will require deep collaboration between the government, private sector, and NGOs.

In many ways, India is the ideal country to deploy Edtech. The fixed costs of developing new educational material can be spread across a vast system of more than 260 million students. If Edtech can deliver better learning for today's students and tomorrow's workforce it could help accelerate economic growth for a generation.

## THINGS THAT BRITISH STOLE FROM INDIA - K .GOPIKA - IX A



### KOHINOOR DIAMOND

Kohinoor is one of the oldest and most famous diamond in the world.

It is currently placed in the Jewel House of the Tower in London.



### TIPU'S TIGER

Tipu's Tiger is a nearly life sized wooden semi automaton figure that mauls a soldier of East India Company.



### WINE CUP OF SHAH JAHAN

The wine cup of Shah Jahan is a wine cup of white nephrite jade that was made for the Mughal Emperor Shah Jahan.



### MAHARAJA RANJIT SINGH'S THRONE



Maharaja Ranjit Singh's throne was made by the goldsmith Hafez Muhammad Multan between 1820 and 1830 for the eponymous ruler of Sikh empire.



### **SULTANGANJ BUDDHA**

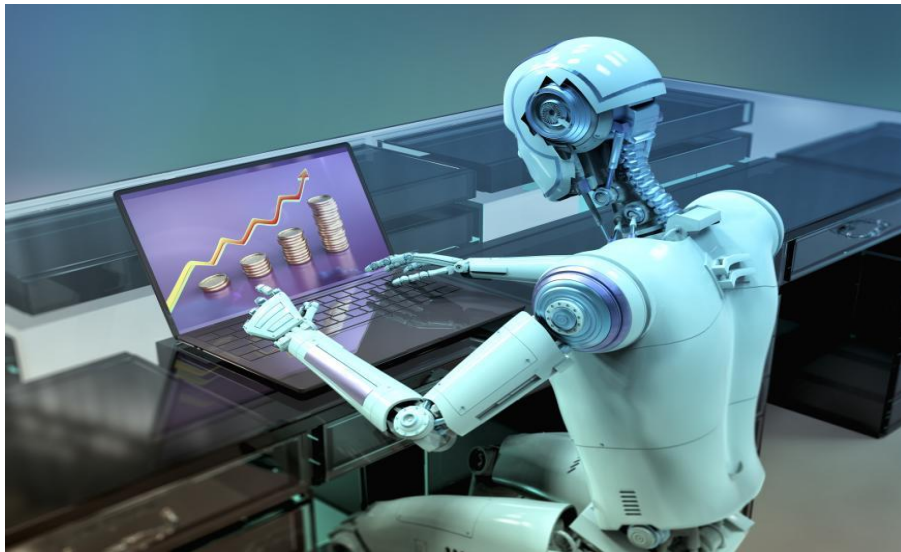
The Sultanganj Buddha is a Gupta Pala transitional period sculpture, the largest substantially complete copper Buddha figure known from the time. It is 2.3 metre high and 1 metre wide and weighs over 500 kg.



### **THE RING OF TIPU SULTAN**

The Ring of Tipu Sultan made with cabochon cut chrysoberyl catseye is said to have come from the finger of Tipu Sultan after the Battle of Srirangapatnam in 1799.

## **ARTIFICIAL INTELLIGENCE (AI) - S.UDHAYA KUMAR IX-B**



AI referred to as Artificial Intelligence is the world's most important resource for our future.

AI has the power to change the people's way of working, health and education.

Now in iPhone there is an AI called "SIRI" which does all the things for us like saving a document or calling someone.

Recently there is a popular AI called “CHAT GPT” in which the informations about the world is known and downloaded in it.

The first Humanoid robot was named as Sophia. In October 2017, the robot became a Saudi Arabian citizen, the first robot to receive citizenship of any country.

In November 2017, Sophia was named the United Nations Development Programme’s first ever Innovation Champion, and the first non-human to be given any United Nations Title.

Elon Musk, the richest person of the world who owns spaceX also believes that our world in the future is conquered by the Artificial Intelligence (AI).

## **A COMPARISON OF INDIAN AND AMERICAN CONSTITUTION- ZAARA XI A**

### **SIMILARITIES**

- ❖ Universal Adult Franchise
- ❖ Bicameral legislature
- ❖ Independence of Judiciary
- ❖ Federal and Republic
- ❖ President elected by an electoral college

### **DIFFERENCES**

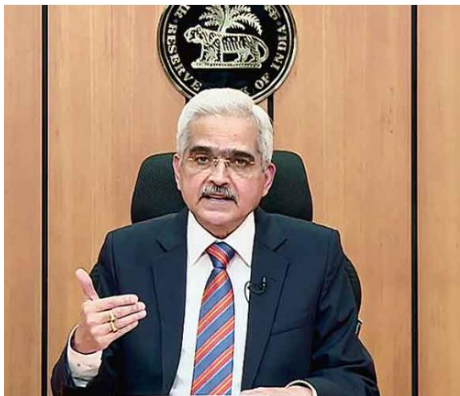
| <b>INDIAN CONSTITUTION</b>                                | <b>AMERICAN CONSTITUTION</b>                      |
|---|---|
| ➤ More flexible constitution - 100 amendments in 70 years | ➤ Rigid constitution - 25 amendments in 200 years |
| ➤ Executive and legislature overlap                       | ➤ Executive and legislature clearly demarcated    |
| ➤ Multi-party system                                      | ➤ Bi Party system                                 |
|   | ➤ Presidential government with                    |

|  |   |
|--|---|
| ➤ Parliamentary government with President as the nominal head. | the President as the de facto head.             |
| ➤ Multi-tiered unified judiciary.                              | ➤ Federal Judiciary-discretionary jurisdiction. |

**DO YOU KNOW- NIVEDITAA L R XLC**



Mr. Shaktikanta Das is the current and 25<sup>th</sup> governor of Reserve Bank of India. He is a retired IAS officer of Tamilnadu cadre. He served as India's alternate governor in World Bank, ADB (Asian Development Bank), NDB (New Development Bank) and AIIB (Asian Infrastructure Investment Bank). He represented India in various international forums like the IMF, G20, BRICS, SAARC etc., He was appointed as the governor of Reserve Bank of India on 11<sup>th</sup> December 2018. Normally, the office term runs for three years, but in some cases it can be extended for another two years. His office term was extended till December 2024.



SHAKTIKANTA DAS  
THE GOVERNOR OF THE YEAR

He played an important role in steering out the economic crisis triggered by 2020 Covid 19 pandemic. He took many conventional and non-conventional measures. Under his leadership, RBI undertook various development and regulatory policies like:

- Liquidity Management
- Regulation and supervision

- Decisions in respect of Financial Markets
- Provide credit supply to MSMEs

He was awarded with **‘THE GOVERNOR OF THE YEAR’** award at London’s Central Banking Awards 2023.

Recent developments in RBI:

- ❖ Depositor Education and Awareness (DEA) Fund
- ❖ First loss default guarantee’ (FLDG)
- ❖ Antardrishti Dashboard
- ❖ Directions on Cyber Resilience and Digital Payment Security Controls for Payment System
- ❖ Lightweight Payment System

## NEED FOR MNCs IN INDIA – ZARAA S XI-C

MNCs, or multinational corporations, have brought in a lot of benefits to India's economy. They have played a significant role in the country's growth by bringing in foreign investment, creating job opportunities, and contributing to the overall development of the country.



In 1991, India faced an economic crisis and to lift the country out of the crisis, the Indian government rolled out economic reforms, and hence openly opted for economic liberalization. This allowed private investments and thereby MNCs to operate in India. Initially, many economists expressed fears over allowing MNCs to India. But with time, everyone is agreeing that MNCs are playing an important role in India and have been helpful for our economy.

One of the most significant benefits of MNCs in India is the creation of job opportunities. MNCs have been hiring people from all over the country, which has helped in reducing unemployment rates. These jobs also come with higher salaries and better benefits. As the wages will in turn be spent on buying goods and services in India, it'll be helpful for the Indian economy, which has improved the standard of living for many people in India.

MNCs are also helpful in knowledge transfer. As MNCs operate in more than one country, they practically test and implement the best strategies, which has helped in improving the efficiency and productivity of various industries in India. MNCs have better access to foreign markets.

MNCs have also helped in boosting the country's exports. With their global reach and resources, MNCs have been able to tap into international markets and promote Indian products and services, which has helped in increasing India's exports and thereby help in reducing trade deficits. MNCs help host countries in maintaining better relations not just with their home countries, but also with the countries that they have trade relations. Indian MNCs are improving the status of India in the international community.

The government will also get revenue in the form of taxes that MNCs pay. As MNCs give tough competition to domestic companies, people will get better quality products at lower prices. As



many MNCs reinvest their profits in the host countries in general, it will be a plus to the host countries' economy.

In conclusion, MNCs have brought in a lot of benefits to India's economy and have helped in the country's growth and development. "With their continued presence, India is poised to become a major player in the global economy".

## **ANCIENT KEEZHADI TAMIL CIVILIZATION'S TRADE CONNECTIONS WITH ROME, GREECE, AND OTHER COUNTRIES – KEERTHANA XI C**

The Keezhadi excavation site, situated in the Sivagangai district of Tamil Nadu, India, has brought to light a treasure trove of archaeological evidence that unveils the rich and vibrant trade connections of the ancient Tamil civilization. It has also been called as Vaigai River Civilization ( as like Indus River Civilization) as the civilization had been spread across the Vaigai River bed which was the main river for Pandya Dynasty which was existed till 14<sup>th</sup> Century AD in southern Tamil Nadu.



Spanning over two millennia, from the 6th century BCE to the 3rd century CE, the ancient Tamils engaged in extensive trade with distant civilizations, most notably with the Roman and Greek empires. This article delves into the historical context and the fascinating trade relationships that flourished between Keezhadi and the great empires of the ancient world.



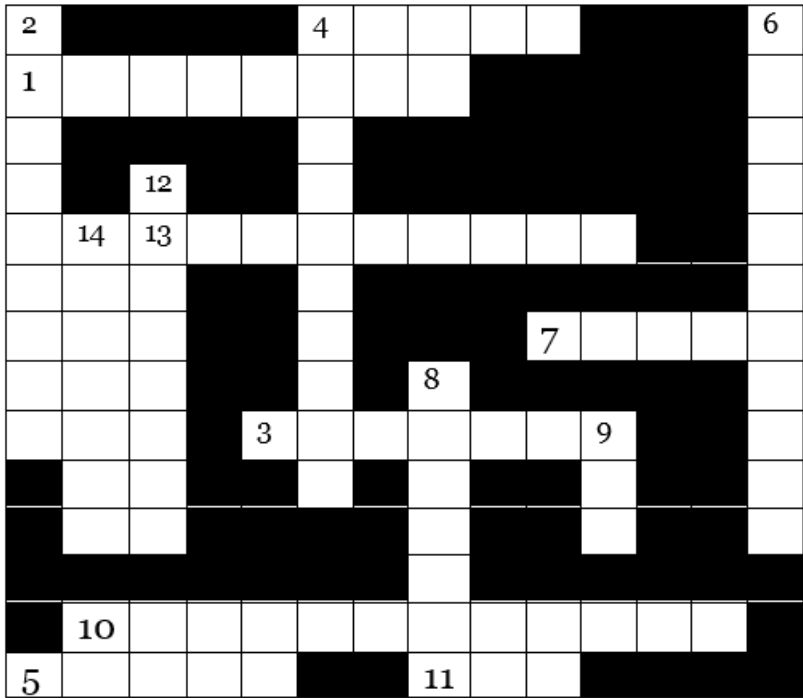
The Tamil civilization's trade connections with Rome, Greece, and other countries were facilitated by a vast network of land and maritime routes. India's wealth was renowned across the ancient world, and the Keezhadi Tamil civilization served as a gateway to export its treasures. The Tamils were skilled sailors and

navigators, enabling them to navigate the seas with ease and facilitate maritime trade. India's trade with Rome, Greece, and other nations involved the export of valuable commodities, such as spices (pepper, cinnamon, cardamom, ginger), precious stones (diamonds, rubies, sapphires, emeralds), and fine textiles (cotton, silk fabrics). The Keezhadi Tamil civilization also imported goods from Rome, Greece, and other regions, including glassware, pottery, wine, and olive oil. Beyond the exchange of goods, these trade connections fostered a profound cultural exchange between the Tamil civilization and the civilizations of Rome and Greece. The interactions between traders, explorers and scholars led to the exchange of knowledge, art and ideas. This syncretism enriched the cultural landscape of all involved societies.

The trade connections contributed to the economic prosperity of the Tamil civilization, enhancing its wealth and status in the ancient world. Trade also played a role in establishing diplomatic relations between the Keezhadi Tamil civilization and other civilizations, promoting peaceful interactions. The trade connections of the Keezhadi Tamil civilization continue to influence historical narratives, highlighting the significance of global commerce in shaping the course of history.



**CROSSWORD PUZZLE – SWAROOPA XI C**



CLUES:-

ACROSS

- 1. Buying and selling of goods are called \_\_\_\_\_
- 3. Arabs who traded with Tamils were called \_\_\_\_\_
- 4. How do we call debit in Tamil? \_\_\_\_\_
- 5. \_\_\_\_\_ is an essential part of commerce.
- 7. \_\_\_\_\_ is the head of the HUF.

10. Centralised control in MNCs are exercised by\_\_\_\_\_.

11. Coca Cola company is an example of\_\_\_\_\_.

13. A partnership is formed by a\_\_\_\_\_.

DOWN

2. Amazon, flipkart, myntra are examples of\_\_\_\_\_.

4. Occupation of the doctor is \_\_\_\_\_.

6. The oldest form of business organisation is\_\_\_\_\_.

8. How do we call loss in Tamil? \_\_\_\_\_.

9. The Central bank of India \_\_\_\_\_.


12. The book Arthasasthra is written by\_\_\_\_\_.

14. Consumers Co-operation was first successful in\_\_\_\_\_.





## CENTRAL BANKS OF DIFFERENT COUNTRIES – DEEPIKA XI C

|   |  |   |
|---|--|---|
|    |     |    |
| RESERVE BANK OF INDIA   | THE FEDERAL RESERVE BANK SYSTEM  | THE BANK OF ENGLAND   |
| GOVERNOR:<br>SHAKTHIKANTA DAS   | GOVERNOR : JAY POWELL  | GOVERNOR :<br>ANDREW BAILEY   |
| INDIA   | UNITED STATES OF AMERICA   | UNITED KINGDOM  |
|   |   |  |
| THE CENTRAL BANK OF<br>THE RUSSIAN FEDERATION                                       | THE RESERVE BANK OF<br>AUSTRALIA (RBA)   | BANK OF JAPAN   |
| GOVERNOR : ELVIRA<br>NABIULLINA   | GOVERNOR: MICHELE BULLOCK  | GOVERNOR : KAZUO UEDA   |
| RUSSIA  | AUSTRALIA  | JAPAN   |
|  |  |  |
| THE DEUTSCHE<br>BUNDESBANK  | THE SOUTH AFRICAN RESERVE<br>BANK  | THE BANK OF ITALY   |
| GOVERNOR : JOACHIM<br>NAGEL   | GOVERNOR : LESETJA<br>KGANYAGO   | GOVERNOR : IGNAZIO VISCO  |
| GERMANY   | SOUTH AFRICA   | ITALY   |



## [PMKVY \(pmkvyofficial.org\)](http://pmkvyofficial.org) – TRISANTH M P XII C

Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development and Entrepreneurship (MSDE) implemented by National Skill Development Corporation (NSDC).

PMKVY was launched in 16<sup>th</sup> July 2015 to encourage and promote skill development in the country by providing free short duration skill training and incentivizing this by providing monetary rewards to youth for skill certification.

The objective of this Skill Certification scheme is to enable Indian youths to take up industry relevant skill trainings that will help them in securing a better livelihood.

Industry-focused courses, certifications, and financial rewards not only increase employability but also encourage entrepreneurship and self-employment opportunities.

- The PMKVY scheme aims to train employable youth in India.
- The scheme also considers dropouts as eligible candidates.
- Prior learning and skills are recognized by this initiative.
- It involves tie-ups with other government initiatives like Swachh Bharat Abhiyaan, Solar Mission, Digital India and Make in India.
- Under this scheme, funds have specifically been allocated for north-eastern states to promote training and employment.
- The government also organizes melas under the PMKVY scheme to make it easier for qualified candidates to be placed.



## **INSOLVENCY PROFESSIONAL - S.RISHIKANTH XII-C**

An Insolvency Professional is an agency registered with the IBBI (Insolvency and Bankruptcy Board of India) under section 201 of Insolvency Code, 2016.

*“No person shall render his services as insolvency professional under this Code without being enrolled as a member of an insolvency professional agency and registered with the Board.”*



They are involved in the dissolution process of an insolvent individual, companies, LLPs or partnerships. These professionals are authorized to act on behalf of such insolvent individual, companies etc.

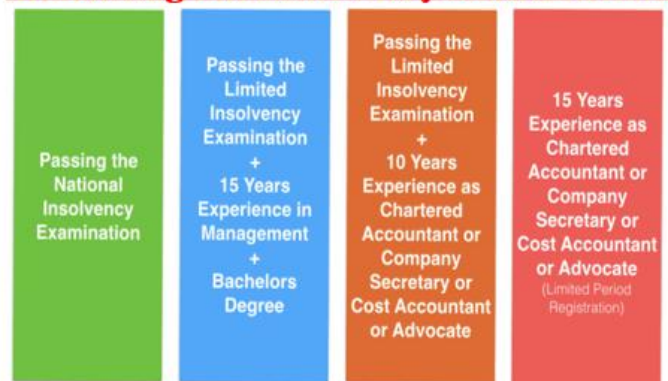
During the bankruptcy situation, the insolvency professionals play a vital role in liquidating the entity assets and other settlement processes. This process has gained momentum with the government bringing in strict norms through Insolvency and Bankruptcy Code.

The Insolvency and Bankruptcy Board of India (IBBI) is the regulator for overseeing insolvency proceedings and entities like Insolvency Professional Agencies (IPA), Insolvency Professionals (IP) and Information Utilities (IU) in India. It was established on 1 October 2016 and given statutory powers through the Insolvency and Bankruptcy Code, which was passed by Lok Sabha on 5 May 2016. It covers Individuals, Companies, Limited Liability Partnerships and Partnership firms.

As an Insolvency Professional

- ❖ Assess the financial position of the company, partnership, LLPs, individual etc and to ensure smooth process of its dissolution.
- ❖ Make arrangements to sell all the assets of the liquidating Individual or company.
- ❖ Understand the receivables position of the company/Individual and look after the collection process.
- ❖ Conduct formal discussions with debtors/creditors and manage their settlement process.

### **Becoming an Insolvency Professional**



- ❖ Check and agree on the creditors' claims as per the available funds. This is one of the main duties of Insolvency professionals.
- ❖ Help the business from the bankrupt depression conditions etc.

## INDIAN ECONOMY ON 2050 – LAHAARI PA XII C

Economy is the state of a country or region in terms of the production and consumption of goods and services and the supply of money.

India's GDP is projected to rise from \$13.2 trillion in 2040 to \$22.2 trillion in 2050.

To make Indian economy grow, the education system and the health facility should develop as even now in many small districts and villages there is not sufficient facility.

Women should be given education and provide proper labour employment to enhance the productivity which can increase the GDP of the country.



Implement more technology and digital enhances. There should be available resources to satisfy human needs. Labourers and farmers especially face a lot of problems due to climate changes that leads to crop failure.

Education for every class / caste leads to the educated youths, which brings more educated people in our country that leads to more economic development in the future.

### ECONOMIC DEVELOPMENT STRATEGIES

1. Creating more jobs and more business models.
2. A better quality of life.
3. Making and selling more local products.
4. More productive use of property.
5. Getting more skilled workers living in our community.
6. Export promotion.



## CARBONIZATION AFFECTING WORLD TRADE ORDER– KRISHIV M XII C

Carbonization can affect global trade and economies in several ways, especially in the context of efforts to combat climate change and promote sustainable practices. Here are some ways carbonization can impact trade:



### Carbon Pricing and Emissions Trading:

As countries implement carbon pricing mechanisms and emissions trading schemes, industries with high carbon emissions may face higher costs. This can influence international trade as countries may impose tariffs or other trade measures based on the carbon intensity of imported goods.

### Renewable Energy / Green Technologies Innovation & Exports:

Countries that invest in and promote carbon-neutral or renewable energy technologies may become exporters of clean energy solutions. This can create new trade opportunities and foster economic growth for those nations.

### Impact on Fossil Fuel Exporting Nations:

Nations that heavily rely on fossil fuel exports may face challenges as the world shifts towards low-carbon alternatives. They might need to diversify their economies and trade in other goods and services to adapt to changing global demands.





**Market Access & Trade Agreements:** Countries that adopt carbon-friendly practices may gain preferential market access & Trade agreements for their sustainable products and services as environmentally conscious consumers and businesses seek eco-friendly options.

In summary, carbonization efforts can significantly influence global trade dynamics, with potential impacts on industries, economies, and trade relationships. Embracing sustainable practices and low-carbon technologies can open up new opportunities for trade and economic growth while promoting environmental responsibility on a global scale.

## **FUTURE MARKET OF E-VEHICLES - VEDAANT SOLANKI L XII C**

The future market of electric vehicles is expanding at a rapid pace. From 8.1 million units it is anticipated to reach 39.21 million by 2030. Multiple factors, including worries about pollution, are driving this rapid expansion.

### **1. Cost-saving in the long run**

With the price of oil continuing to hike, it is a no-brainer as to why EVs offer a cost-saving alternative. Resources are soon to deplete and oil prices will only continue an upward momentum. EVs on the other hand use lesser to no fuel with batteries being able to charge even with a home charging unit at a fraction of the cost.

### **2. Government regulations and policies Support**

Around the globe, governments are providing policy-driven support and regulations for both electric vehicle production and purchasing. Through heavy taxes and sales policies, governments are forcing more car brands to produce EVs.

### **3. Eco-friendly choice**

EVs help reduce harmful air pollution as the world continues to fight global warming and climate change. EVs offer an ecological option with lesser exhaustion of harmful emissions that will improve air quality.

### **4. Advancement in technology**

Today, EVs come equipped with touch screen panels and interactive user interfaces that offer a friendlier experience. Car brands are going above and beyond with technology by offering auto-

pilot capabilities, voice command, self-parking features, and in-vehicle infotainment. Car brands are also working on driver-vehicle interaction so that vehicles communicate directly with service centers for servicing, maintenance, and repairs.

## CROSSWORD PUZZLE ANSWERS – SWAROOPA XI C

### Answers:

#### Across

1. Commerce
3. Jonagar
4. Patru
5. Trade
7. Karta
10. Headquarters
11. MNC
13. Agreement

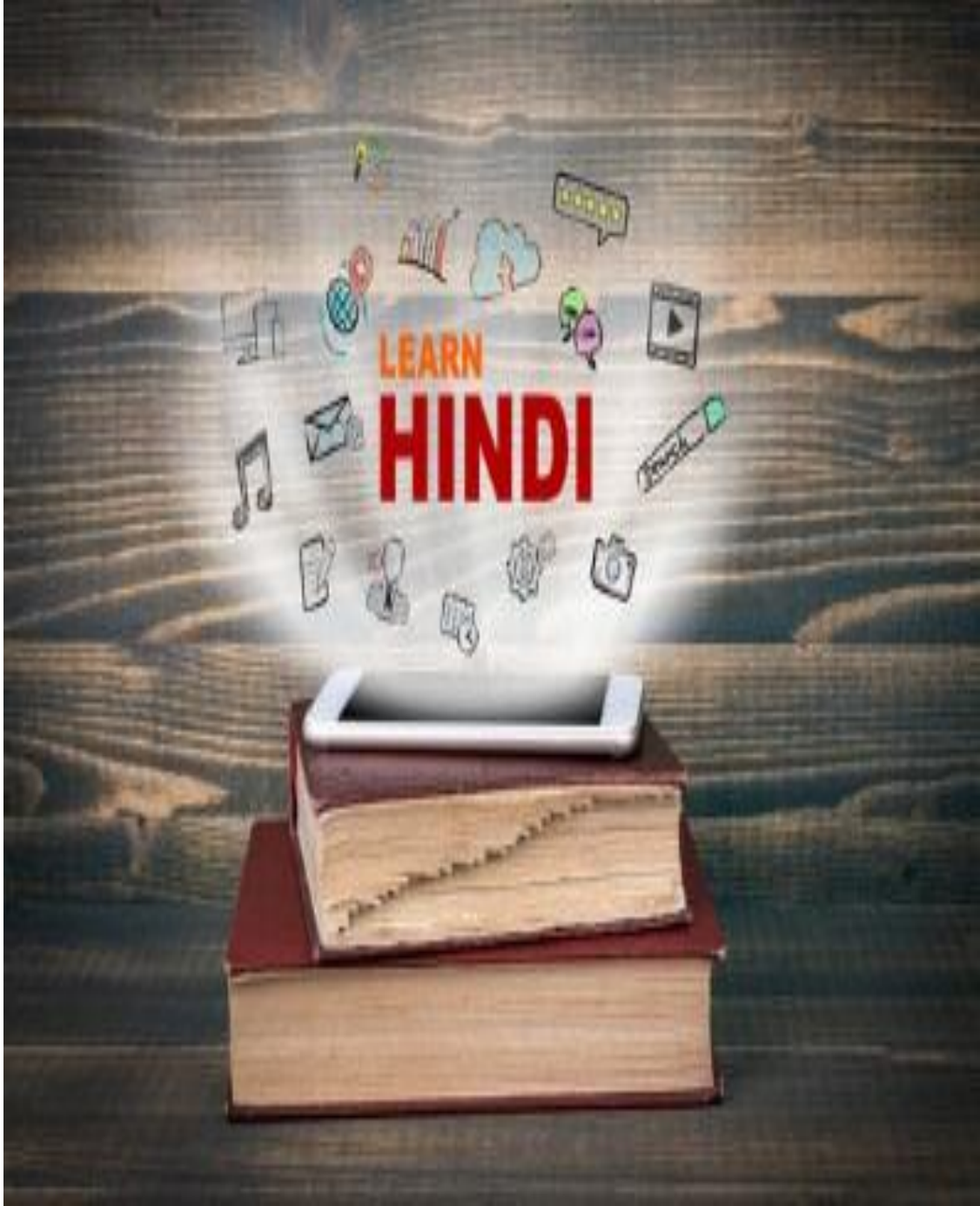
#### Down

2. E-commerce
4. Profession
6. Sole trading
8. Nashtam
9. RBI
12. Kautilya
14. England





# HINDI



## अनुशासन का महत्व (Importance Of Discipline) ARAVINDARAJ R VIII A

अनुशासन एक महत्वपूर्ण गुरु है, जो हमें जीवन में सफलता पाने में मदद करता है। यह हमें संयममत और नियममत जीवन जीने की कला सिखाता है, जिससे हम अपने लक्ष्यों की प्राप्ति कर सकते हैं।

अनुशासन से हम अपने समय का प्रबंधन करने में सक्षम होते हैं, और अपने कार्यों को नियंत्रित कर सकते हैं। यह हमें स्वस्थ और सकारात्मक जीवन जीने की दिशा में मार्गदर्शन करता है।

अनुशासन से हम अपने आप को संजीवनी शक्ति प्रदान करते हैं, जो हमें आवश्यकताओं के समय पर क्रियाशीलता दिखाने में मदद करता है। यह हमारे स्वास्थ्य, कर्मठता और सफलता में सुधार करता है।

अनुशासन का पालन करने से हमें अपने चरित्र का निर्माण करने में मदद मिलती है और हमें समाज में आदर्श नागरिक के रूप में पहचान मिलती है।

इसलिए, हमें अपने जीवन में अनुशासन की महत्वपूर्ण भूमिका को समझना चाहिए और इसे अपनाने का प्रयास करना चाहिए। यह हमारे सफलता के मार्ग में हमें मदद और एक बेहतर भविष्य की ओर अग्रसर करेगा।





## इसरो (ISRO) PRAVESH JAIN VII B

भारतीय अंतरिक्ष अनुसंधान संगठन जिसे आमतौर पर **इसरो** कहा जाता है। यह भारत की राष्ट्रीय अंतरिक्ष एजेंसी है। यह अंतरिक्ष विभाग की प्राथमिक अनुसंधान और विकास शाखा के रूप में कार्य करती है। जिसकी देखरेख सीधे भारत के प्रधानमंत्री करते हैं, जबकि इसरो के अध्यक्ष कार्यकारी के रूप में भी कार्य करते हैं।

|               |   |                |
|---------------|---|----------------|
| संस्थापक      | : | विक्रम साराभाई |
| मुख्यालय      | : | बेंगलुरु       |
| स्थापना       | : | 15 अगस्त 1969  |
| कार्यालय धारक | : | एस सोमनाथ      |
| मालिक         | : | भारत सरकार     |
| संक्षिप्त रूप | : | इसरो           |



**इसरो** ने 125 अंतरिक्ष यान मिशन, 12 लॉन्च मिशन किए हैं और गगनयान (चालकदल/ रोबोटिक) इंटर प्लेनेटरी मिशन जैसी कई मशीनों की योजना बनाई है।

## किसान (FARMER) ROSHNA – VII B

देश के लिए एक **किसान** अपना महत्वपूर्ण योगदान देता है। किसान ही जनता के लिए भोजन का प्रबंध करता है। सभी किसान अलग-अलग प्रकार की खेती करते हैं। कुछ किसान चावल, गेहूँ जैसी फसलें उगाते हैं। जबकि कुछ किसान फल व सब्जियाँ उगाते हैं।

देश की अर्थव्यवस्था में किसानों का बहुत बड़ा योगदान होता है। भारत की अर्थव्यवस्था में आज भी 17 प्रतिशत योगदान किसानों का होता है। भारत को हमेशा कृषि प्रधान देश माना जाता है। सरकार समय-समय पर देश के किसानों के लिए योजनाएँ लाती रहती है, जिससे उनकी आय में वृद्धि हो सके।



भारत में किसानों को सेना के बराबर माना जाता है।

### (Help Others Without Expectation)

जब आप दूसरों की मदद करने का प्रयास करते हैं, तो अवचेतन रूप से भी बदले में कुछ अपेक्षा न करें। एक प्राचीन भारतीय महाकाव्य में अर्जुन, एक प्रसिद्ध योद्धा, अपने दिव्य सारथी कृष्ण से, भूमि के भूमि के सबसे महान दाता के बारे में सवाल करते हैं।

कृष्ण ने उन्हें सूचित किया, "इसमें कोई शक नहीं कि कर्ण राज्य में उदारता का सबसे अच्छा उदाहरण है।"

यह उत्तर, अर्जुन को परेशान करता है। युद्ध के मैदान मैदान में कर्ण उनके सबसे बड़े प्रतिद्वंद्वियों में से एक है।

एक है। वह गहराई से भौंहें सिकोड़ता है और कुछ नहीं

कहता। कृष्ण, अर्जुन की सिकुड़ी हुई भौंहों और उसकी आँखों में प्रतिस्पर्धात्मक चमक को देखकर, देखकर, अपनी मुस्कुराहट छिपा लेते हैं। कुछ समय के लिए विषय हटा दिया जाता है, लेकिन कई दिनों के बाद, कृष्ण एक कुशल परीक्षण तैयार करते हैं।



"क्या आप उन दो पहाड़ों को देखते हैं?" कृष्ण अर्जुन से पूछते हैं, क्योंकि वे एक शाम एक साथ सवारी कर रहे थे। जैसे ही अर्जुन अपनी दृष्टि घुमाता है, दूर की ऊंची चोटियाँ चमकने लगती हैं और प्रकाश को प्रतिबिंबित करने लगती हैं। दोनों पहाड़ ठोस सोने में बदल गए हैं। "अब अर्जुन, मेरे पास तुम्हारे लिए लिए एक काम है," कृष्ण कहते हैं, "तुम्हें सोने के इन दो पहाड़ों को तलहटी में रहने वाले गरीब ग्रामीणों के बीच वितरित करना होगा। जब तुम इसका अंतिम कण तक दान कर दो तो मुझे बताना।"

अपनी परोपकारी क्षमताओं से कृष्ण और दुनिया को प्रभावित करने के इस अवसर से उत्साहित होकर, होकर, अर्जुन ने सभी ग्रामीणों को एक साथ बुलाया और उन्हें भव्यता से संबोधित किया। "सुनो," अर्जुन

अर्जुन कहता है, "क्योंकि मैं खुशखबरी लेकर आया हूँ। मैं तुम सभी के बीच सोने के ये दो शानदार पहाड़ पहाड़ बाँटूँगा।" दर्शकों में आश्चर्य और खुशी की लहर दौड़ जाती है, और महान योद्धा अर्जुन की प्रशंसा प्रशंसा में वहाँ की हवा गीतों से भर जाती है। प्रशंसा से उत्साहित होकर अर्जुन ने सोने के संग्रह और और वितरण के लिए एक मास्टर प्लान बनाना शुरू किया।

लगातार दो दिनों और रातों तक वह पहाड़ से लगातार सोना निकालता रहा। भोजन, पानी, आराम या नींद के लिए एक क्षण भी नहीं रुका। फिर भी, वह हैरान था कि पहाड़ कम नहीं हुए। वह जितना अधिक फावड़ा चलाता, उतना ही अधिक सोना रहता। थकावट के कगार पर पहुँचकर, वह कृष्ण की तलाश करता है। "आगे बढ़ने से पहले मुझे कुछ दिनों का आराम करना होगा," वह थके हुए स्वीकार करते हैं।

जवाब में, कृष्ण ने कर्ण को अपनी उपस्थिति में बुलाया। "क्या आप उन दो पहाड़ों को देखते हैं?" कृष्ण ने कर्ण से पूछा। "हाँ," महान योद्धा ने कहा। "आपको उन्हें तलहटी में रहने वाले गरीब ग्रामीणों के बीच वितरित करना होगा। जब आप इसका हर आखिरी कण तक दान कर दें तो मुझे बताएं।" बिना एक पल की झिझक के कर्ण ने दो ग्रामीणों को आवाज़ लगाई जो उसी समय वहाँ से गुजर रहे थे। "क्या आप उन दो पहाड़ों को देखते हैं?" कर्ण ने उनसे पूछा "हाँ," प्रतिक्रिया आती है। सूर्योदय जैसी उज्वल मुस्कान के साथ कर्ण कहते हैं, "सोने के वे दो पहाड़ आपके हैं, जैसा आप चाहें वैसा करें।" इतना कहकर, कर्ण कृष्ण को प्रणाम करते हैं और चले जाते हैं।

घटनाओं के इस मोड़ से अर्जुन स्तब्ध हो गया। कृष्ण उनकी ओर मुड़ते हैं, उनकी आवाज़ युगों-युगों से से परे प्रेम और ज्ञान से भरपूर होती है। "अर्जुन - आपके दिमाग में सोने ने उच्च मूल्य का स्थान ले लिया लिया था, और आप अवचेतन रूप से इसके प्रति आकर्षित थे। देने के लिए आपका दृष्टिकोण अस्पष्ट था। आपने रणनीति बनाई और सोने को उसके अनुसार विभाजित करने की कोशिश की जिसे आपने सबसे अधिक उपहार के योग्य समझा। लेकिन इन छोटी-छोटी गणनाओं ने आपकी आत्मा को थका दिया, दिया, और समय के साथ, आपको यह महसूस करने के लिए मजबूर होना पड़ा कि पहाड़ों की प्रचुरता

आपके व्यक्तिगत सिर, हृदय और हाथों की क्षमता से कहीं अधिक है।" अर्जुन ने चुपचाप इन शब्दों की की सच्चाई को अपने अंदर समाहित कर लिया।

"और कर्ण के बारे में क्या?" अंततः उसने पूछने का साहस किया। "कर्ण के लिए सोने का कोई मतलब नहीं था," कृष्ण ने आसानी से कहा, "उसके लिए सच्चा उपहार सोना नहीं था, बल्कि स्वयं देने का कार्य था। उसके पास करने के लिए कोई गणना नहीं थी, न ही वह बदले में कुछ मांग रहा था। उन्होंने स्पष्ट हृदय और शुद्ध मन से सब कुछ अर्पित किया, और देने के बाद वे अगले क्षण ही आगे बढ़ गए। प्रिय अर्जुन, यह जागृति के पथ पर चलने वाले व्यक्ति का सच्चा संकेत है।"







## SANSKRIT



## जाग्रत, जाग्रत, जाग्रत ॥ - P A LAAHARI – XII C

राजानः प्रजाभ्यः, वैद्याः रोगिभ्यः, उपाध्यायाः विद्यार्थिभ्यः, मातापितरौ पुत्रेभ्यः, ज्योतिषिकाः आत्मनः मित्रेभ्यः, न्यायवादिनः आत्मनः आश्रितेभ्यश्च तदा तदा 'जागरण' सन्देश बद्धन्तः तेषां शान्ति, सन्तोष आरोग्यमार्ग सूचयन्ति इति वयं सर्वत्र पश्यामः खलु । तेषामादेशानुसारेण गच्छतां सुखं भवति, इतरेषां तु कष्टमेव भवेत्।

एवमेव अस्माकं प्राचीनमहर्षयश्च अस्मभ्यं 'जागरण' सन्देशं दत्तवन्तः । अस्मिन् पवित्रे भारते राष्ट्रे सहस्राधिकाः महात्मानः वेदशास्त्राध्ययनबलेन स्वानुभवेन, तपसा च अनेकान् 'जागरण' सन्देशान् उद्घोषितवन्तः । तेषु एकतमं सन्देशं वयमत्र पश्याम।

अनित्यानि शरीराणि विभवा नैव शाश्वताः। नित्यं संनिहितो मृत्युः तस्मात् जाग्रत जाग्रत ॥

हे मानवाः, युष्माकम् इमानि शरीराणि अनित्यानि, युष्माकं धनादिसम्पदः नैव शाश्वताः । मृत्युस्तु सर्वदा सहैव वर्तते । तस्मात् धर्मपरायणाः सूर्य भवत, आत्मज्ञानाभिमुखाः भवत ।

जागरणघण्टावादः अत्र त्रिभिः सन्देशैः क्रियते। अस्य रहस्यार्थः अवश्यं मननीयः । इदं पाञ्चभौतिकं शरीरं मृत्पिण्डात्मकम्। यदाकदापि इदं शरीरं भिन्नं सत् नश्येत्, म्रियेत । अतः नेदं शरीरं सत्यत्वेन नित्यत्वेन समाश्रयणीयम् इति प्रथमो जागरणघण्टानादः। न कापि सम्पत् शाश्वती भवति। धनं जन यौवनं विद्या सौन्दर्यं अधिकारादयः सर्वाः अपि सम्पदः क्षणिकाः । अतः अहङ्कारिणा नैव भाव्यम्। क्षणभङ्गुराः सम्पदः इति द्वितीयं जागरणघण्टानादः । यदा कदापि मृत्युः भवेत्। न कोऽपि जन्तुः अमृत भवेत्। मरणं तु निश्चितमेव भवति। मृत्युः छायावत् अनुगच्छति। आ शाश्वतः इति नैव भ्रमः कर्तव्यः । अहं नैव म्रिये इति यः जानाति असौ मूख एव भवति इति तृतीयः जागरणघण्टानादः । एतेन जागरणसन्देशेन अनुष्ठिते सर्वेऽपि मनुजाः धीरा विवेकिनः सानन्दाश्च भवन्ति।



## इमे द्वे फले अमृतोपमे ! – V YESHASWINI –XII B

वेदान्तेषु 'संसार' शब्दः प्रयुज्यते । संसारो नाम जन्ममरणप्रवाहः । सुखदुःखभोगानुभवसन्ततिः, लाभनष्टात्मकः, शोकमोहात्मकः, मान- अपमानात्मकः, रागद्वेषात्मकश्च सर्वोऽयं संसार एव । श्रीशङ्करभगवत्पाद- आचार्याः 'मोहमुद्गरे' संसारलक्षणम् एव वर्णयन्ति-

पुनरपि जननं पुनरपि मरणं पुनरपि जननीजठरे शयनम् ।

इह 'संसारे' बहुदुस्तारे कृपयापारे पाहि मुरारे।। इति। अयं संसारः सागरेण, अरण्येन, अन्धकारेण, तथा वृक्षेण उपमीयते वेदान्तेषु । संसारवृक्षो नाम विषवृक्षः इति वर्णयन्ति । विषवृक्षो नाम विषमयो वृक्षः। अस्य बीजं विषं, सस्यं विषं, तरुः विषं, पत्राणि, पुष्पाणि, शाखाश्च सर्वमपि विषमयमेव ।

अपि तु इदमत्र आश्चर्यम् यत् अस्मिन् संसारविषवृक्षे अमृतसमाने द्वे फले विद्येते । इमे द्वेऽपि फले मधुरे भवतः । विवेकी धीरः पुरुषो हि एते है फले अत्तुं समर्थः । भवतु, के ते द्वे फले ? इति चेत् एकं सुभाषितं, अपरं सत्सङ्गः । तदेतदुक्तं सुभाषितेन-

संसारविषवृक्षस्य द्वे फले ह्यमृतोपमे ।

सुभाषितरसास्वादः सङ्गतिः सुजनैः सह।। इति ।

इदं फलद्वयं विहाय अन्यत् सर्वमपि अस्मिन् संसारविषवृक्षे विषमयमेव । विषमयेऽपि संसारवृक्षेऽस्मिन् भगवतः कृपया सभाषि सत्सङ्गश्च इति अमृतरूपं फलद्वयं विद्यते । फलार्थो हि वृक्षः ।

सुभाषितं नाम सुष्ठु + भाषितम्, उत्तमाः सन्देशा एव सुभाषितं रामायण, महाभारत, पुराण, भागवतादीनां, वेद-वेदान्तशास्त्रा साधुसत्पुरुषाणां सन्देशाः । सत्सङ्गो नाम सङ्गिः सङ्गः । एतयोः सुभाषितसत्सङ्गयोः मधुरयोः फलयोः माधुर्यं च भुक्त्वा एव ज्ञातव्यम्।



## कदाचित् तथैव त्यज! - KEERTHANA A- XII B

एकदा , कक्षचन् शिष्यः मनः कथं शान्तं भवेत् इति तस्य गुरुं पृष्टवान् । गुरुः किमपि उत्तरं न दत्तवान्। परन्तु सः शिष्यम् अवदत् वत्स! अहं पिपासितः । कृपया तस्मात् सरोवरात् जलम् आनय । इति।

सध्यः एव , शिष्यः सरोवरं प्रति आगच्छत् । सः तत्र कांक्षन् जनान् वस्त्राणि क्षालयतः अपश्यत् । अपि च सः एकं वृषभशकटं सरोवरं तरन्तम् अपश्यत् ।

एतेन कारणेन सरोवरजलं कलुषितम् अभवत् । शिष्यः अचिन्तयत् कथम् एतत् कलुषितं जलम् अहं गुरवे दास्यामी? अतः सः गुरुः समीपं गत्वा जलं कलुषितम् अस्ती, अतः पातुं न योग्यम् इति अवदत्।

एतत् श्रुत्वा गुरुः अवदत् अस्तु! वयं एतस्य वृक्षस्य अधः विश्रान्तिं स्वीकुर्मः इति। किञ्चित् कालानन्तरं गुरुः

शिष्यम् आहूय पुनः सरोवरं गत्वा जलम् आनय इति उक्तवान्।

शिष्यः गुरुः आज्ञां श्रुत्वा सरोवरम् आगच्छत्। इदानीं, सः सरोवरे निर्मलम् जलम् अपश्यत्। पङ्कः जलस्य अधः आसीत् येन जलम् अधुना पातुं योग्यम् आसीत् ।

गुरुः शिष्यम् अपृच्छत् वत्स ! कथम् अधुना निर्मलं जलम् प्राप्तवान् ? शिष्यः अवदत् कंचन कालम् यावत् सरोवरः तथैव त्यक्तः येन पङ्कः स्वयं अधः अगच्छत्। श्रमं विना शुद्धं जलं प्राप्तवान्

गुरुः अवदत् वत्स! एवमेव जीतने अपि वर्तितव्यम्।

गुरुः पुनः अवदत् यदा मनः विचलितं भवति तदा जलमिव किञ्चित् समयं ददातु येन मनः स्वयं शाम्यति कोऽपि श्रमः न करणीय

अतः एतदवश्यं स्मर्तव्यं यत् यदा मनः विचलितं भवति तदा कंचन कालम् यावत् तूष्णीभूय कामपि प्रतिक्रियां विना स्थातव्यम् । येन वयं शान्तेन मनसा एव जीवने समीचीनं निर्णयम् कर्तुं शक्नुयाम इति।





## योगः - S SHIVA RAM -XII B

• योगः समस्थ जीवनम् ।

समत्वं योगः उच्यते : ।

योगः कर्मसु कौशलम् ।

योगः चित्तवृत्तिः निरोधः

• स्वास्थ्यमं प्रत्येकस्य व्यक्तिस्य जीवनस्य बृहत्तमं धनं अस्त

• अन्तरराष्ट्रीययोगदिवसः प्रतिवर्षं २१ जून दिनांके आचर्यते ।

• प्रथमः योगदिवसः २०१५ तमस्य वर्षस्य जूनमासस्य २१ दिनांके सम्पूर्णं विश्वे महता धूमधामेन आयोजितः

• विश्वस्य कोटिशः जनाः अस्मिन् दिने योगकृतवन्तः यत् अभिलेखः आसीत् ।

• भारतीयप्रधानमन्त्री नरेन्द्र मोदी योगदिवसम् आयोजयितुं विचारं प्रस्तावितवन्तः ।

• योगेन मनः शरीरात्मनः एकता संभवति ।

• योगेन अस्माकं शारीरिकम् मानसीकं च स्वास्थ्यमं विविधरूपेण लाभः भवति ।

• योगः प्रत्येकं व्यक्तित्वं शान्तिं च आनन्दं ददाती ।

• योगाचार्य महर्षि पतञ्जलिः योगदर्शने सूत्ररूपेण योगस्य महत्त्वं प्रस्तुतवान् अस्ति।

• योगस्य केवलमं लाभः भवति, यत् जगतः सर्वेषां जनानां स्वीकारः भवति ।





## OUR CHERISHED MEMORIES



# Teaching Staff – 2023 -2024



## Office Staff – 2023 -2024





**Supporting Staff – 2023 -2024**



**Class XII A (2023 -2024)**





**Class XII B (2023 -2024)**



**Class XII C (2023 -2024)**





**Class X A (2023 -2024)**



**Class X B (2023 -2024)**





**Class X C (2023 -2024)**



# SPORTS CORNER

## Football under 14 - Boys





## Football under 19 - Boys



## Volleyball under 14 - Girls





# Volleyball under 17 - Girls



**Volleyball under 19 - Girls**





## Throwball under 14 - Girls



**DAV Matriculation Higher Secondary School**

Gill Nagar, Ch-600 094.

2023-24



## Throwball under 17 - Girls





## Volleyball under 14 - Boys



## Volleyball under 17 - Boys





# Volleyball under 19 - Boys



## Football under 14 - Girls







# OUR SCHOOL ACTIVITIES AND CELEBRATIONS

## KAMARAJAR'S BIRTHDAY CELEBRATION









# INVESTITURE CEREMONY





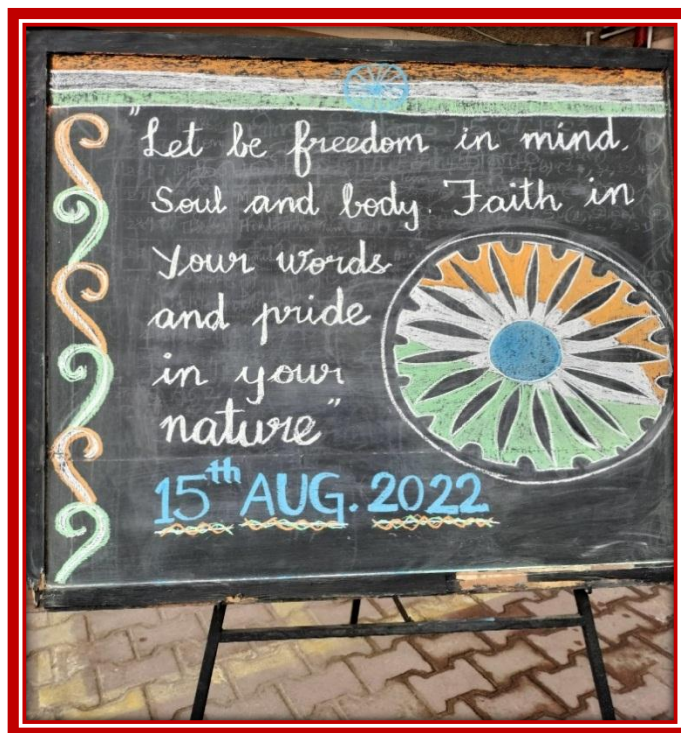


# 76<sup>th</sup> INDEPENDENCE DAY CELEBRATION













# 24<sup>th</sup> ANNUAL DAY CELEBRATION











**74<sup>th</sup> REPUBLIC DAY CELEBRATION**





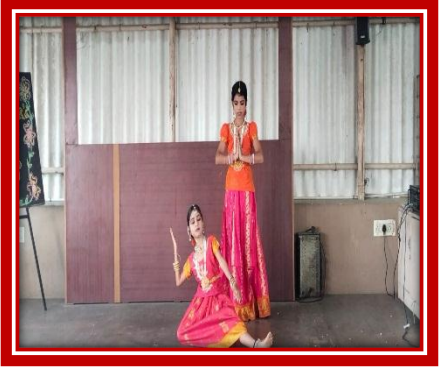








# TEACHERS' DAY CELEBRATION





# PONGAL CELEBRATION







## SWAMI VIVEKANANDA BIRTHDAY CELEBRATION



## MAHAKAVI BHARATHIYAR BIRTHDAY CELEBRATION





# COMPETITIONS

## RANGOLI COMPETITION





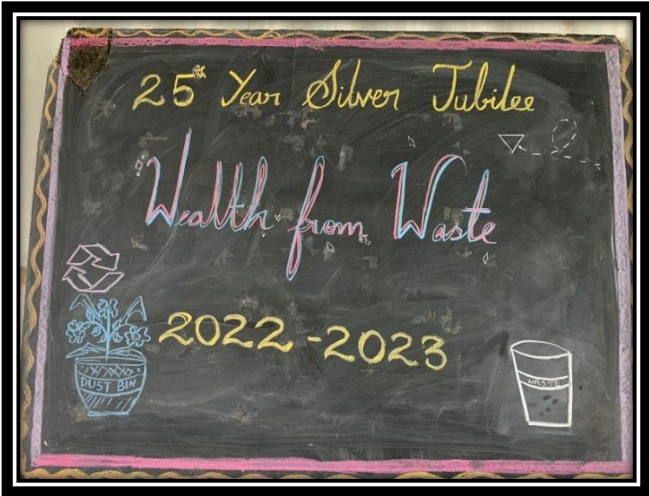


# PATTAM QUIZ COMPETITION





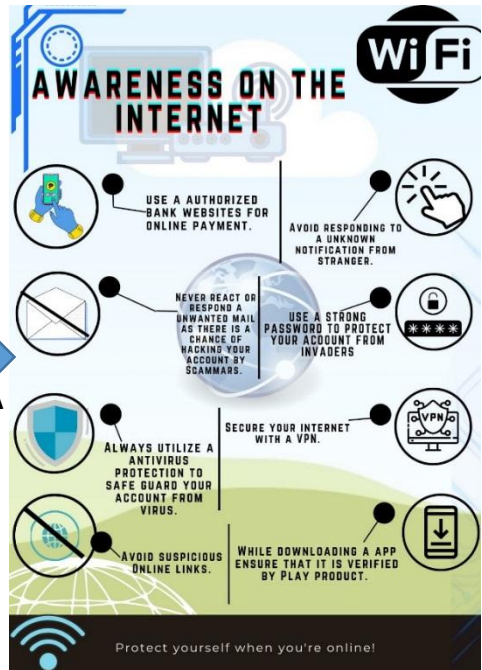
# WEALTH FROM WASTE COMPETITION







# CURIO KIDZ POSTER MAKING CONTEST

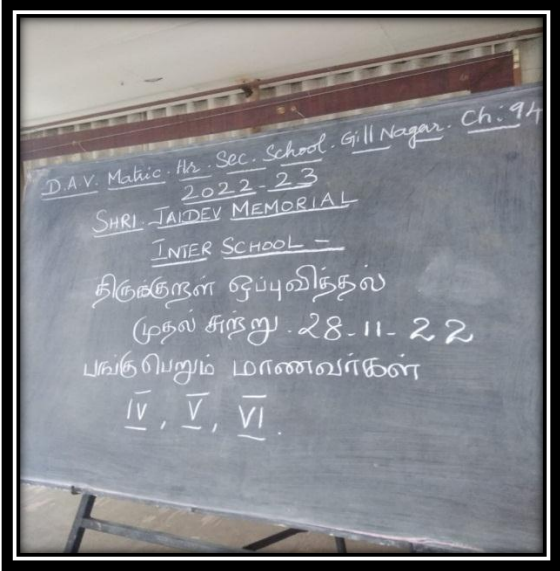


Poster won by Rohan of class X A





# THIRUKKURAL COMPETITION





# INTER D.A.V. YOGA COMPETITION







# INTER DAV MUSIC COMPETITION - PRATIDHVANI







# ADZAP COMPETITION





# VEERA MANGAI VELU NACHIYAR – SILAMBAM COMPETITION







# PARAMVEER CHAKRA POETRY COMPETITION









# INTER SCHOOL THEATRE FEST AT UNION CHRISTIAN SCHOOL





# AWARENESS PROGRAMMES

## DOWN SYNDROME





# DRUG ABUSE



# DYSLEXIA PROGRAMME







# CAREER IN DEFENCE

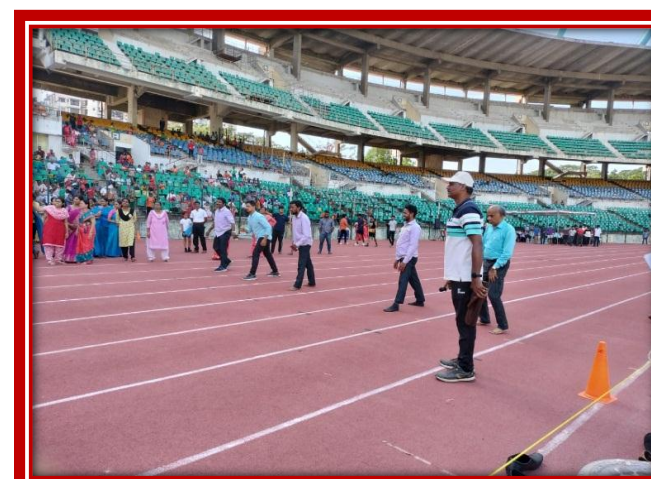






# EVENTS

## ANNUAL ATHLETIC SPORTS MEET





# DAV NCC CAMP PARAAKRAM CAMP











# CARNIVAL





# PUPPET SHOW







# VIDYA SAADHAN







# EDUCATIONAL TOUR

## TRIP TO MYSORE





# VISIT TO OFFICERS TRAINING ACADEMY







# VISIT TO BIRLA PLANETARIUM







# VISIT TO IIT MADRAS



ART SECTION



NIRANJANA KRISHANA R S  
XII A

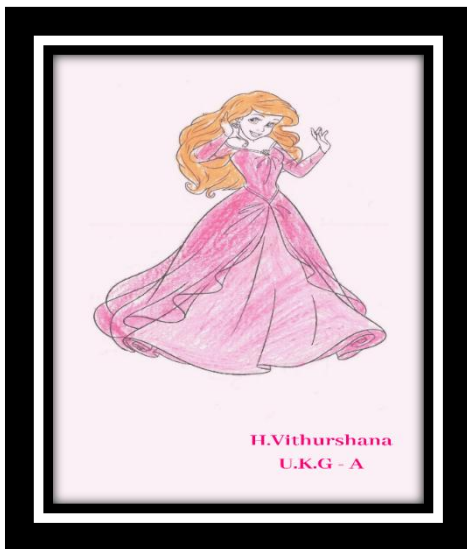




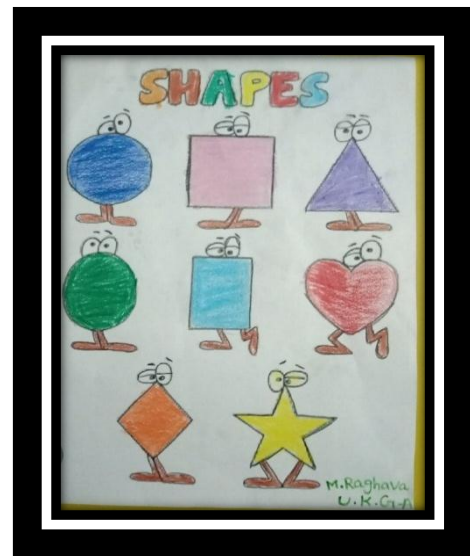
**PRATHNA S- L.K.G**



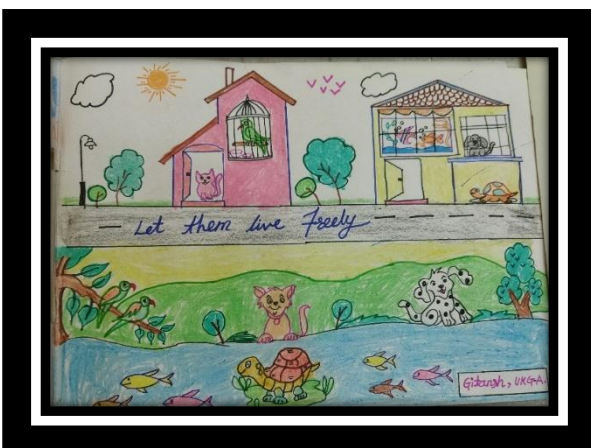
**DIYA SATHISH- L.K.G**



**VITHURSHANA H- U.K.G**



**RAGHAVA M- U.K.G**



**GITANSH R- U.K.G**

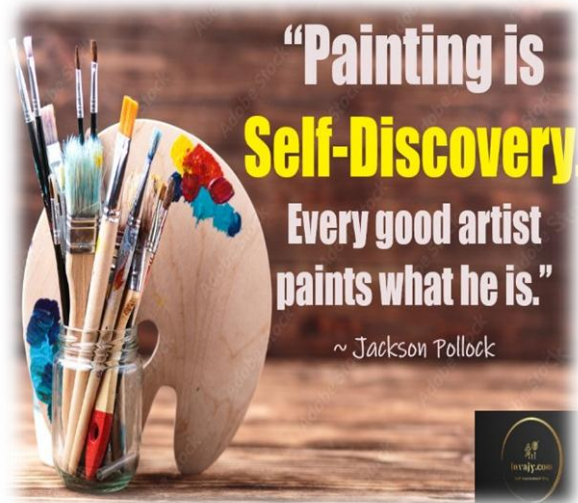


**DIYA SATHISH- L.K.G**





**VISHNUPRIYA R – I B**

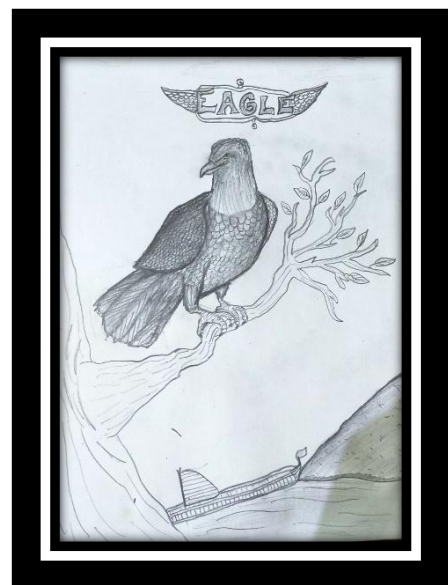


**ABINAYA K – III B**



**SRI VARSHAN P – II A**

246



**KOWSHIK NARAYAN V – VIII A**



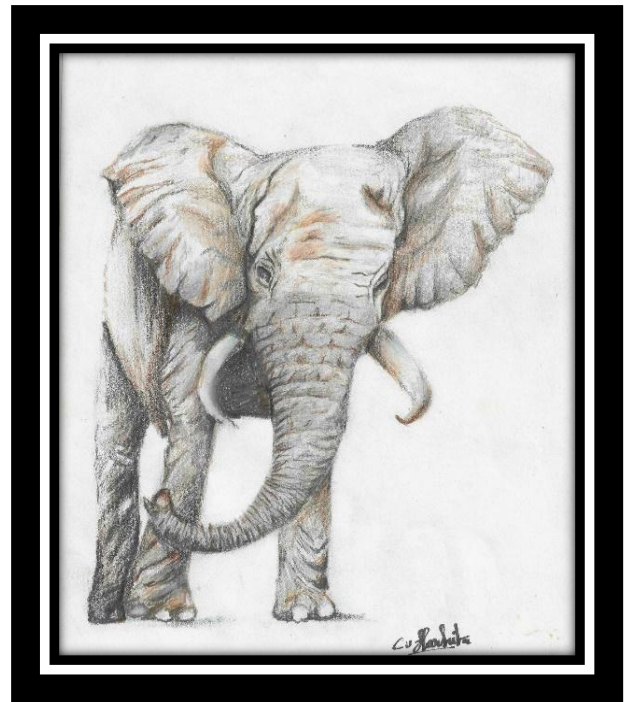
**KAYAL R – III A**



**VAISHNAVI R – III B**



**ARFAH M - XI-C**



**HARSHITA C V – X A**





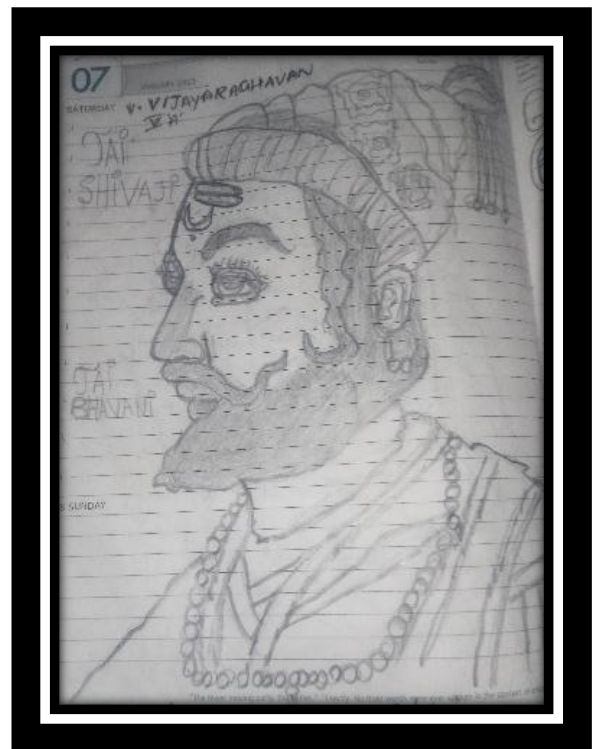
**ATHARVA P S – V B**



**JANANYA S – VI A**



**SAHANA G – VIII B**



**VIJAY RAGHAVAN – V A**

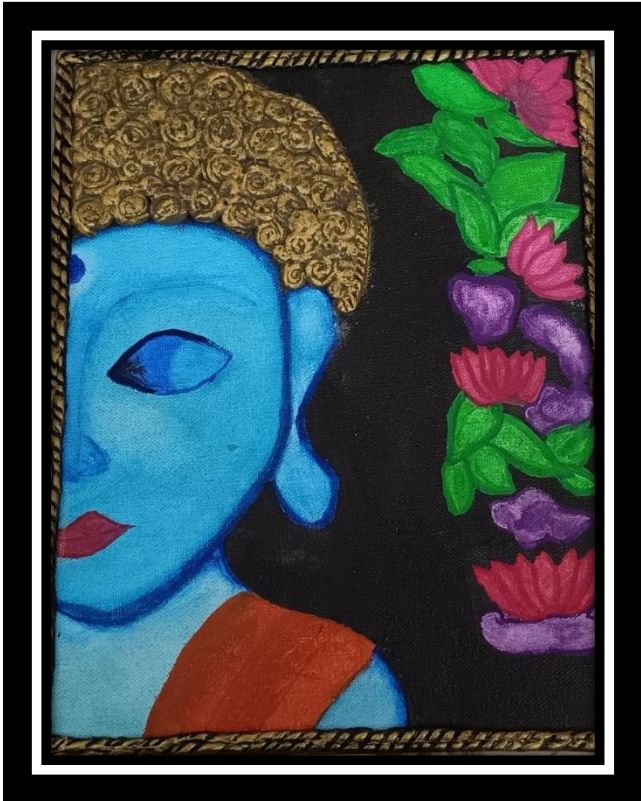




**LALITH S – VIII B**



**JOE KINGSLEY M – V A**



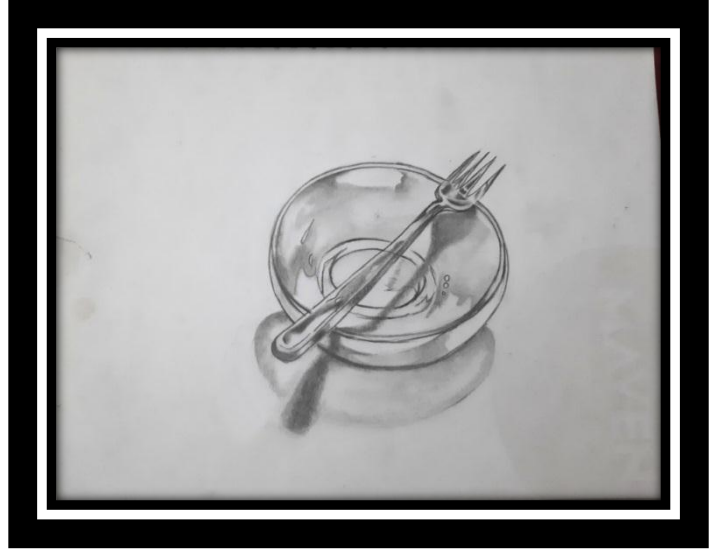
**S.SHAILI SRINITHY – VIII B**



**SAHANA G – VIII B**



**DHARSHAN R K- VIII A**



**JANANYA S - VI A**



**MAYIESHA AHAMED XI C**





**ANIRUDH SUNIL KUMAR – XI C**



**SAHITYA SASTRY - XI B**





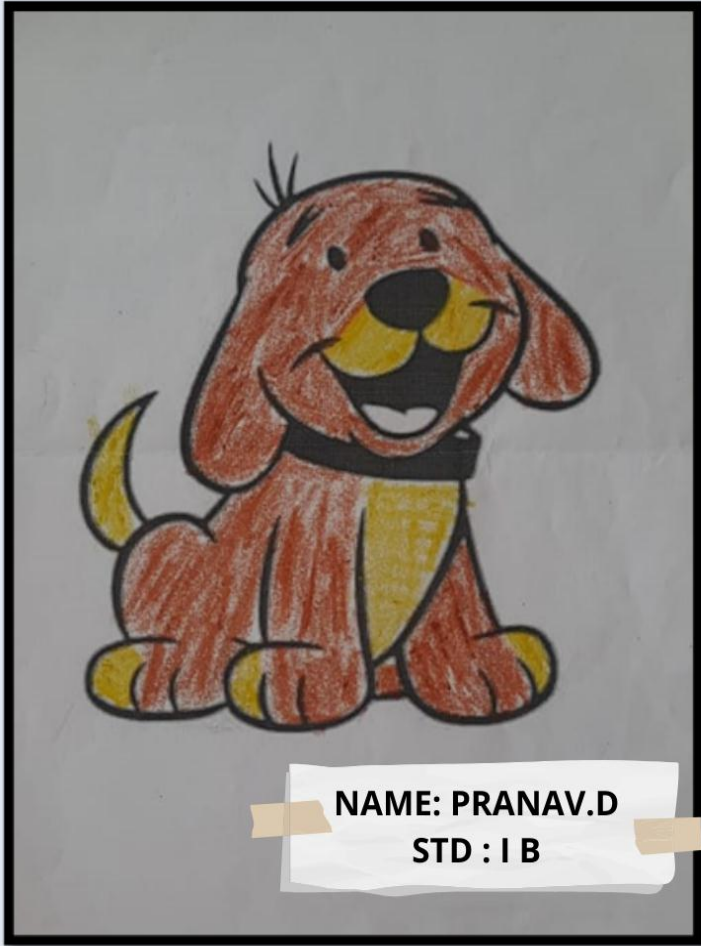


# INCLUSIVE EDUCATION

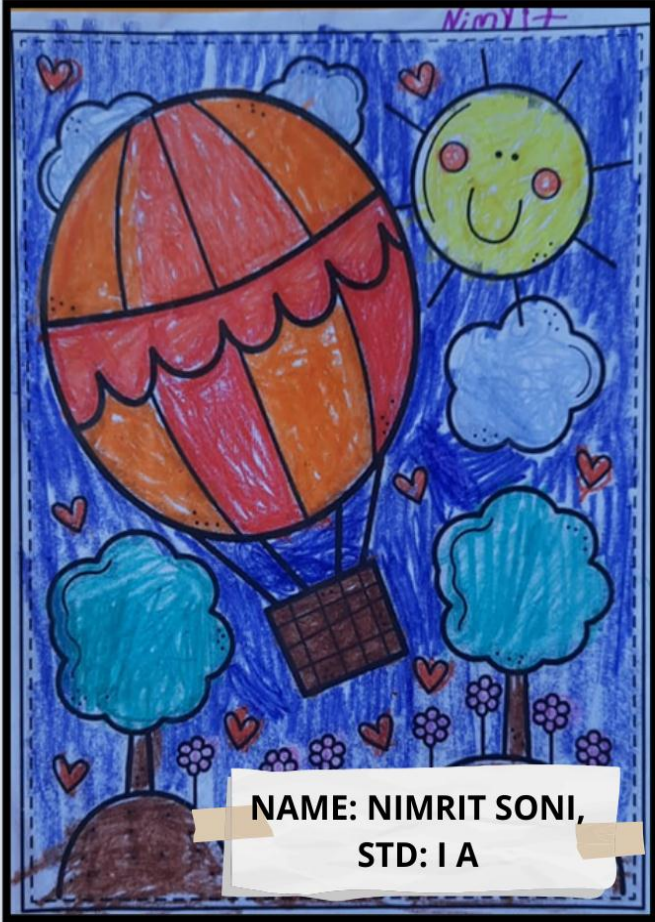
**INCLUSIVE EDUCATION**

**INCLUSIVE EDUCATION IS A DYNAMIC, EVER EVOLVING APPROACH THAT REQUIRES ONGOING REFLECTION AND CONTINUOUS ENHANCEMENT**

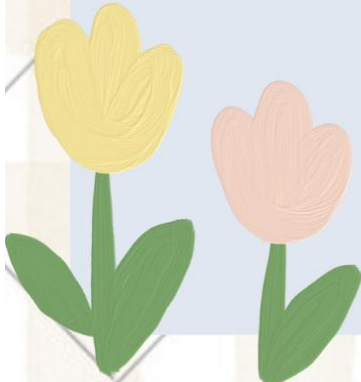
**BE KIND**



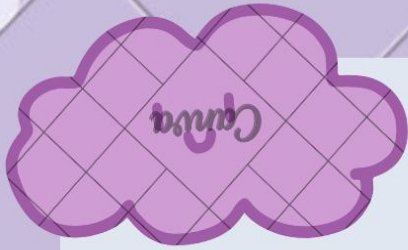
**NAME: PRANAV.D**  
**STD : I B**



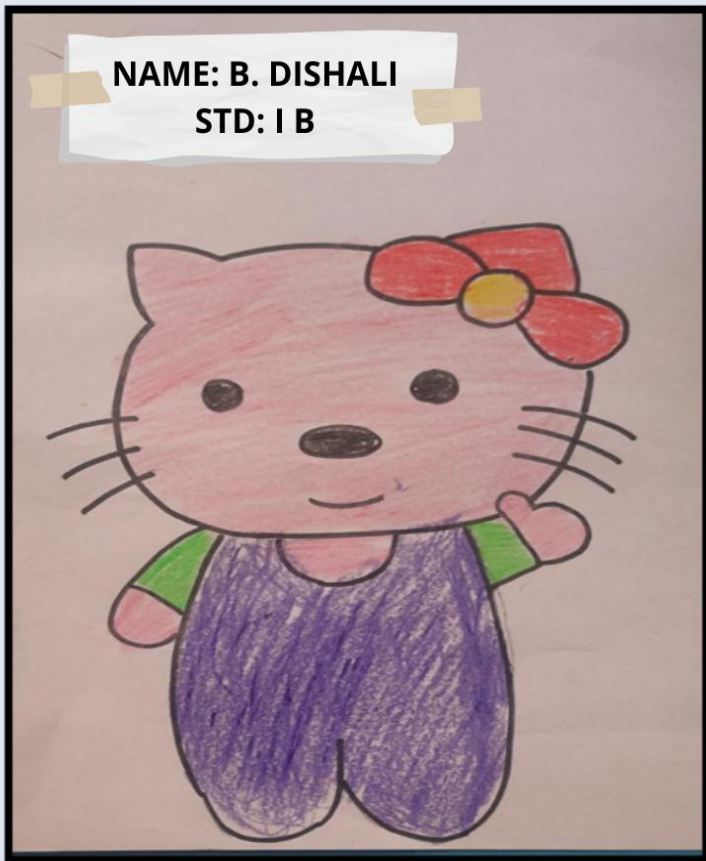
**NAME: NIMRIT SONI,**  
**STD: I A**







**NAME: KOUSHIGHA.P**  
**STD: I A**



**NAME: B. DISHALI**  
**STD: I B**

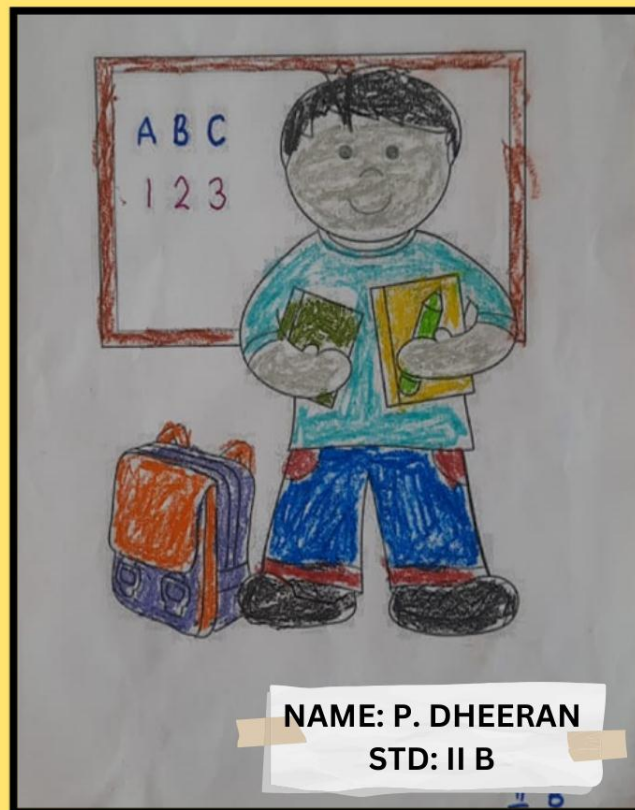






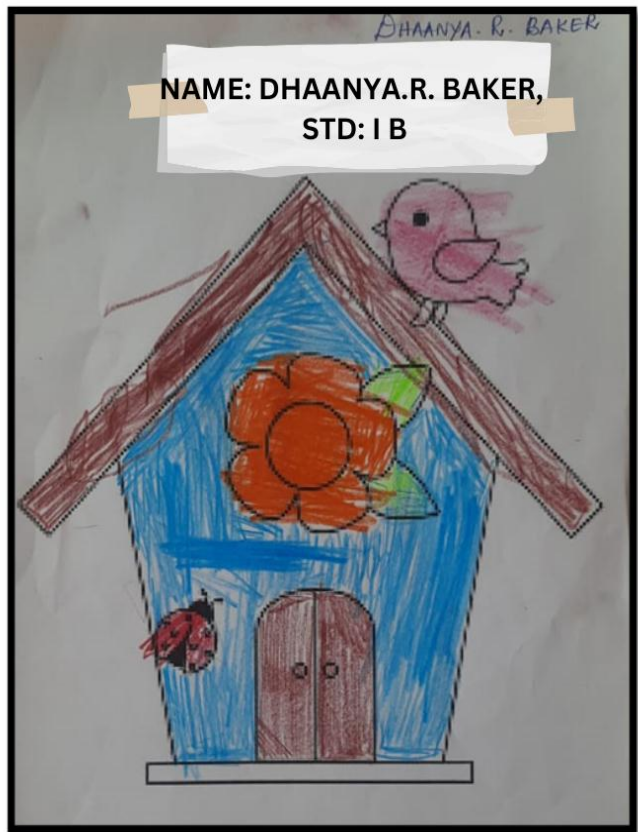
NAME: NIKHIL DEV.D. P,  
STD: I A

NIKHIL DEV  
I - A

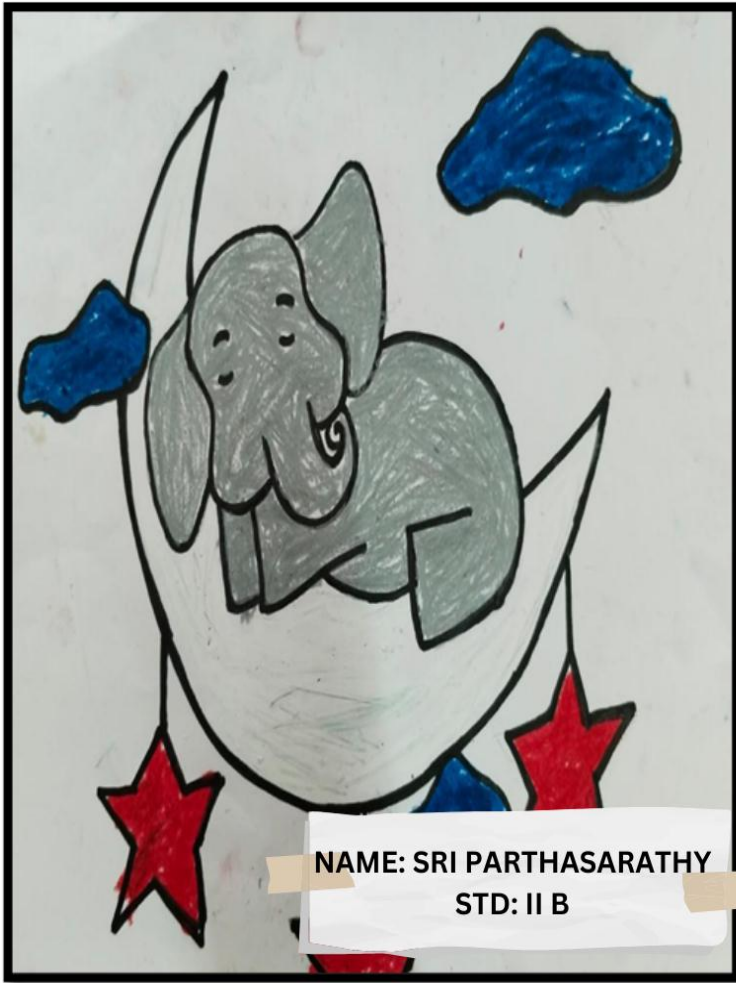


NAME: P. DHEERAN  
STD: II B







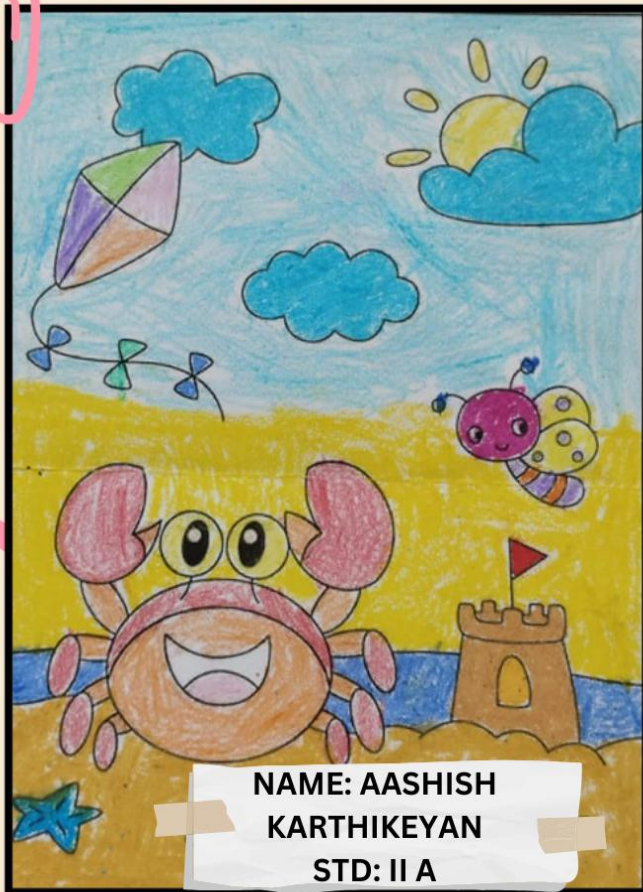


NAME: SRI PARTHASARATHY  
STD: II B



NAME: ASHVIKA.H  
STD: II B





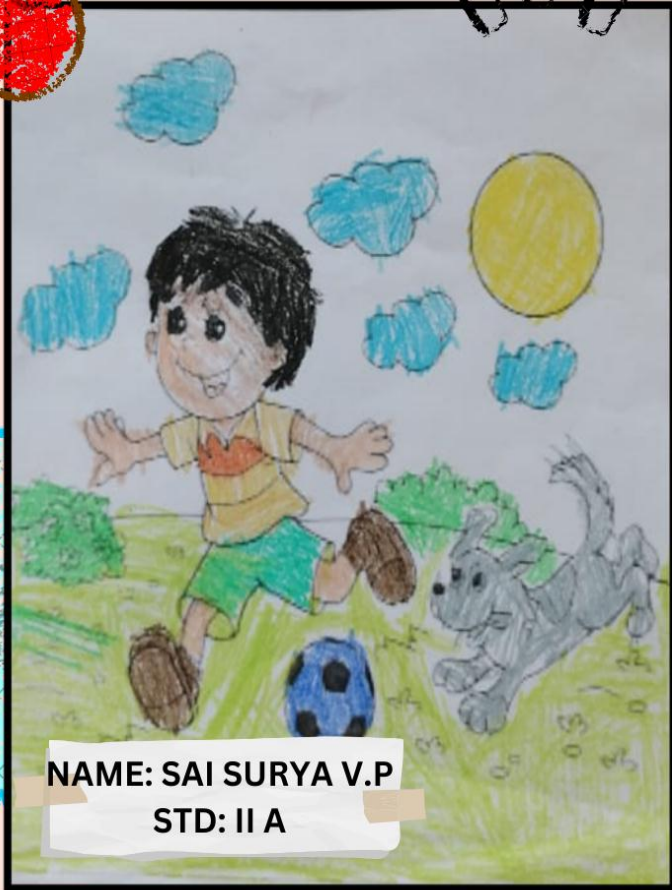
NAME: AASHISH  
KARTHIKEYAN  
STD: II A



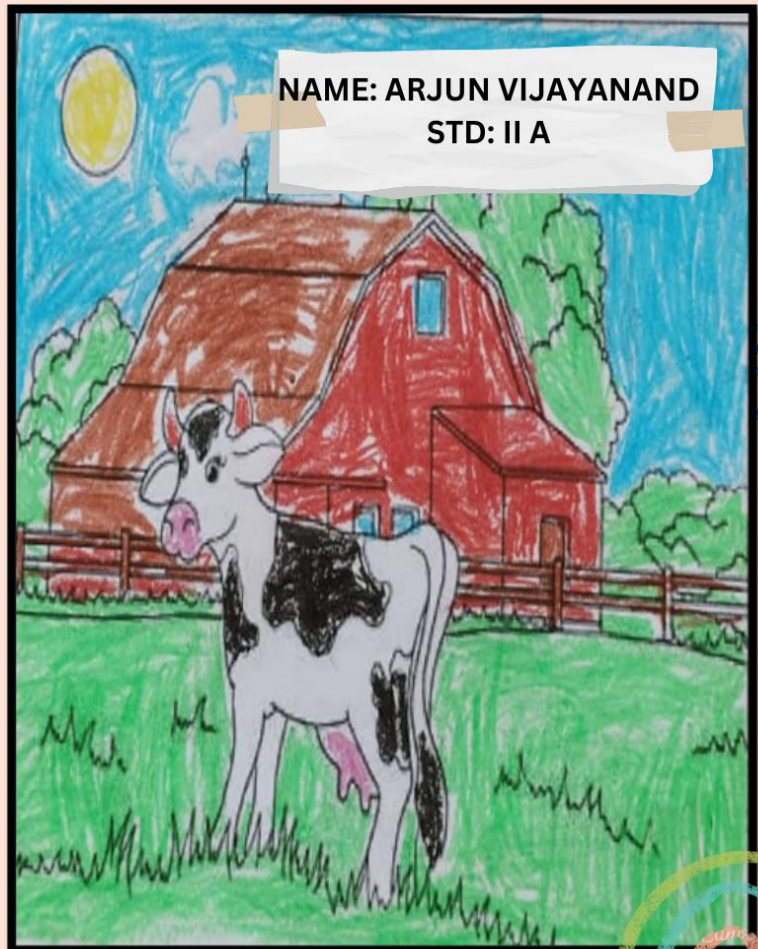
NAME: DHARUV. R. BAKER  
STD: II A







NAME: SAI SURYA V.P  
STD: II A



NAME: ARJUN VIJAYANAND  
STD: II A



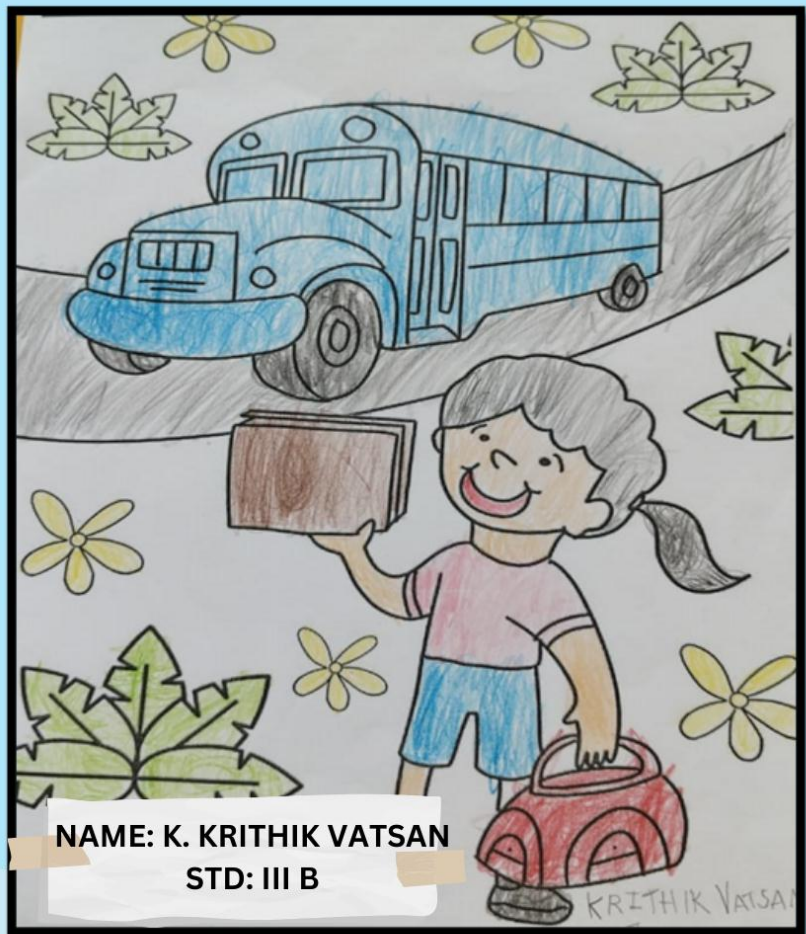
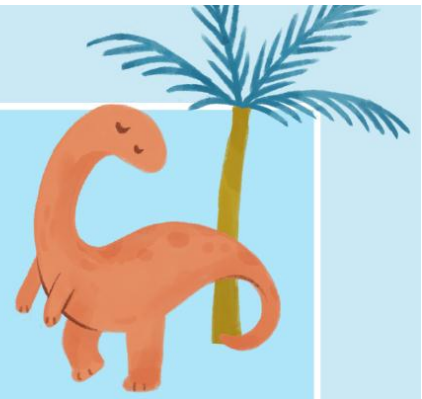


NAME: A. SAI SARAVANAN,  
STD: I A





NAME: V. PRAJAN  
STD: III A



NAME: K. KRITHIK VATSAN  
STD: III B

KRITHIK VATSAN





**NAME: K. PRANAV  
BALAKRISHNA  
STD: IV B**

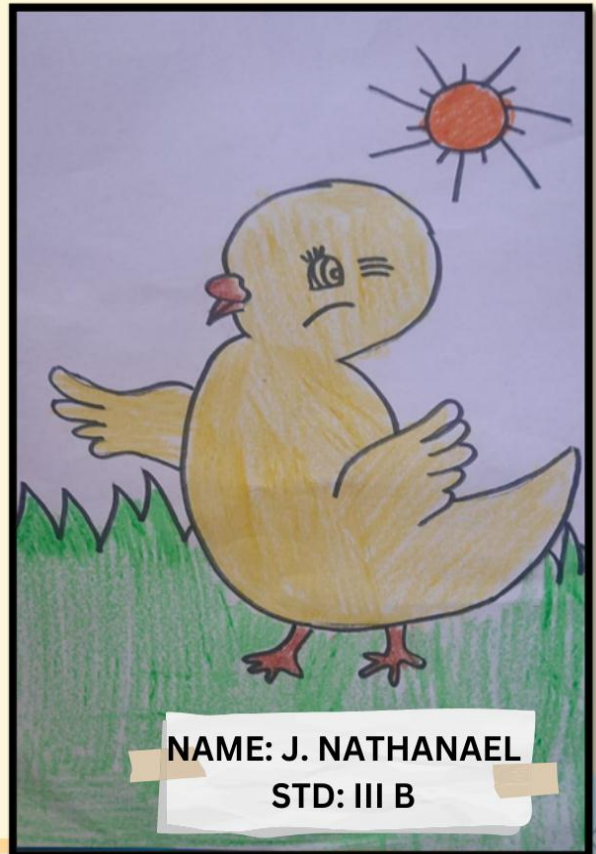


**NAME: ASHVATH DATTA.D  
STD: IV B**





NAME: P. VINOTH KUMAR  
STD: III A



NAME: J. NATHANAEL  
STD: III B







**NAME: KRISHIV.S**  
**STD: IV A**

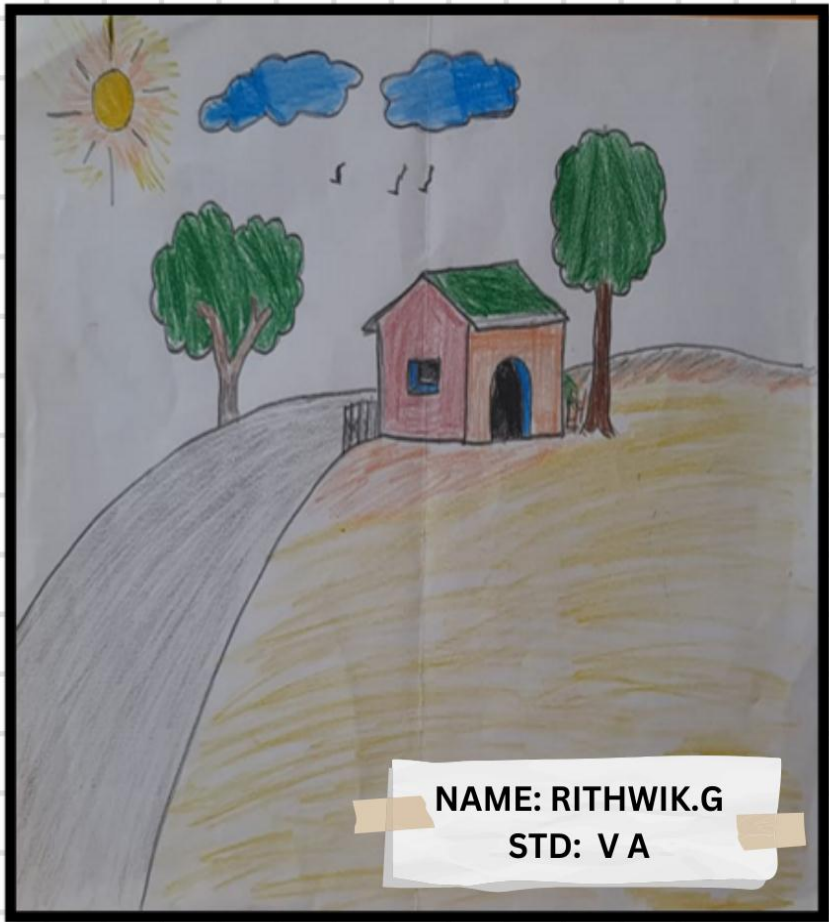


**NAME: SAI MITHRA**  
**CLASS: VI B**

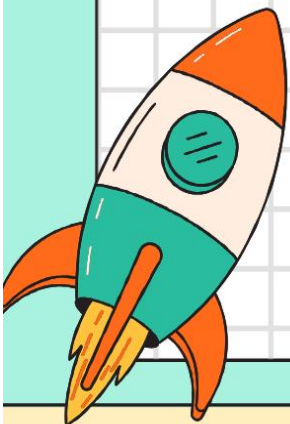
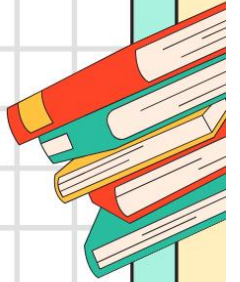




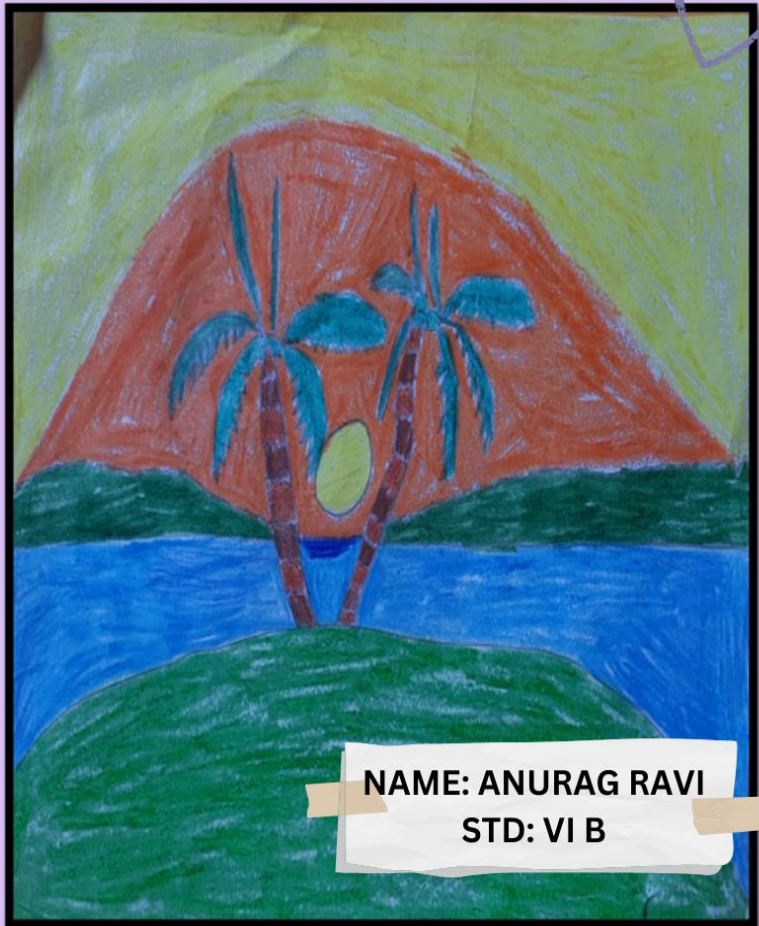
NAME: AKSHARA.D  
STD: IV A



NAME: RITHWIK.G  
STD: V A







NAME: ANURAG RAVI  
STD: VI B



NAME: SAHANA. P.K  
STD: VI A



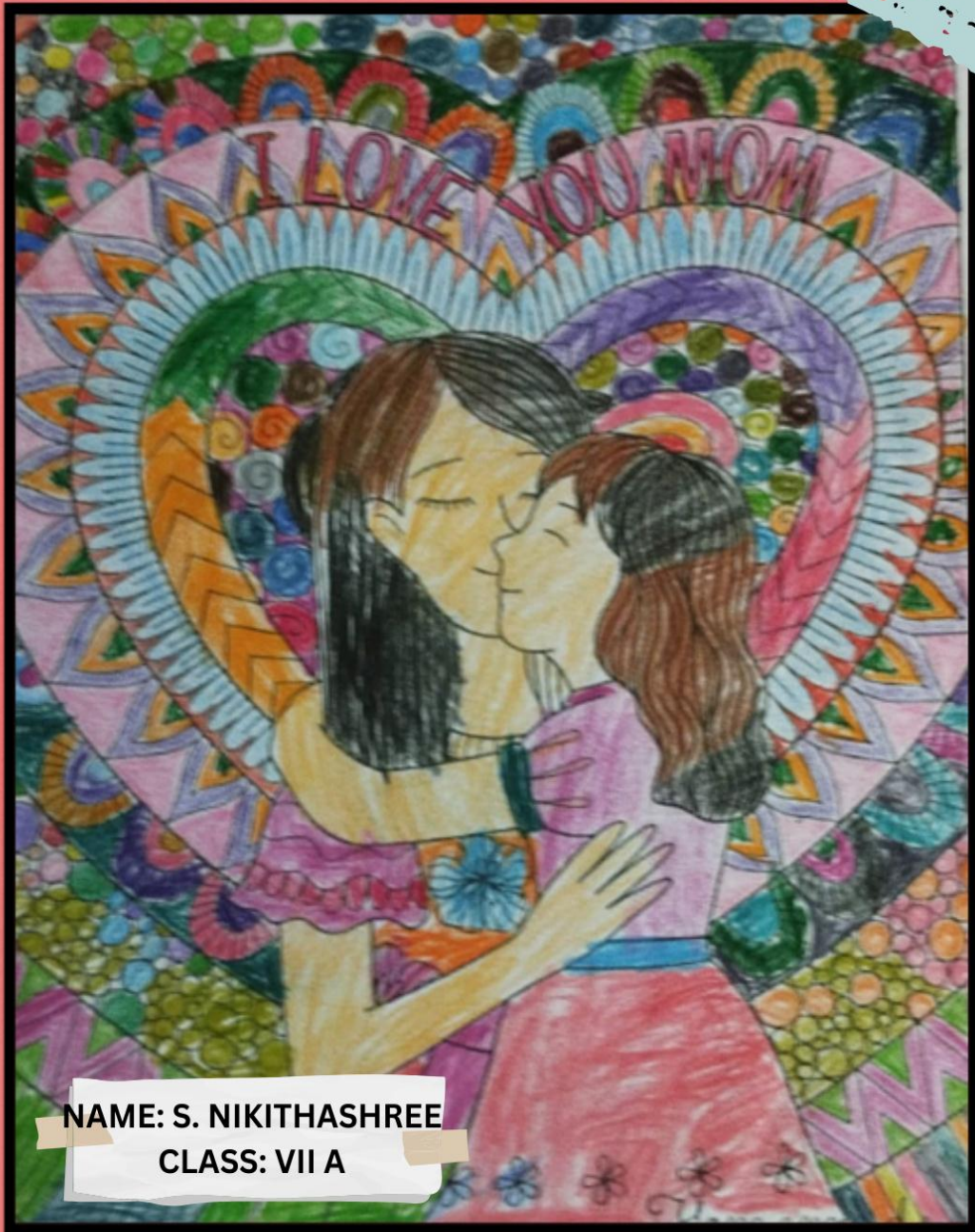


NAME: S. SIDDHARTH  
STD: III B



NAME: RAHUL.K.G  
STD: VII A

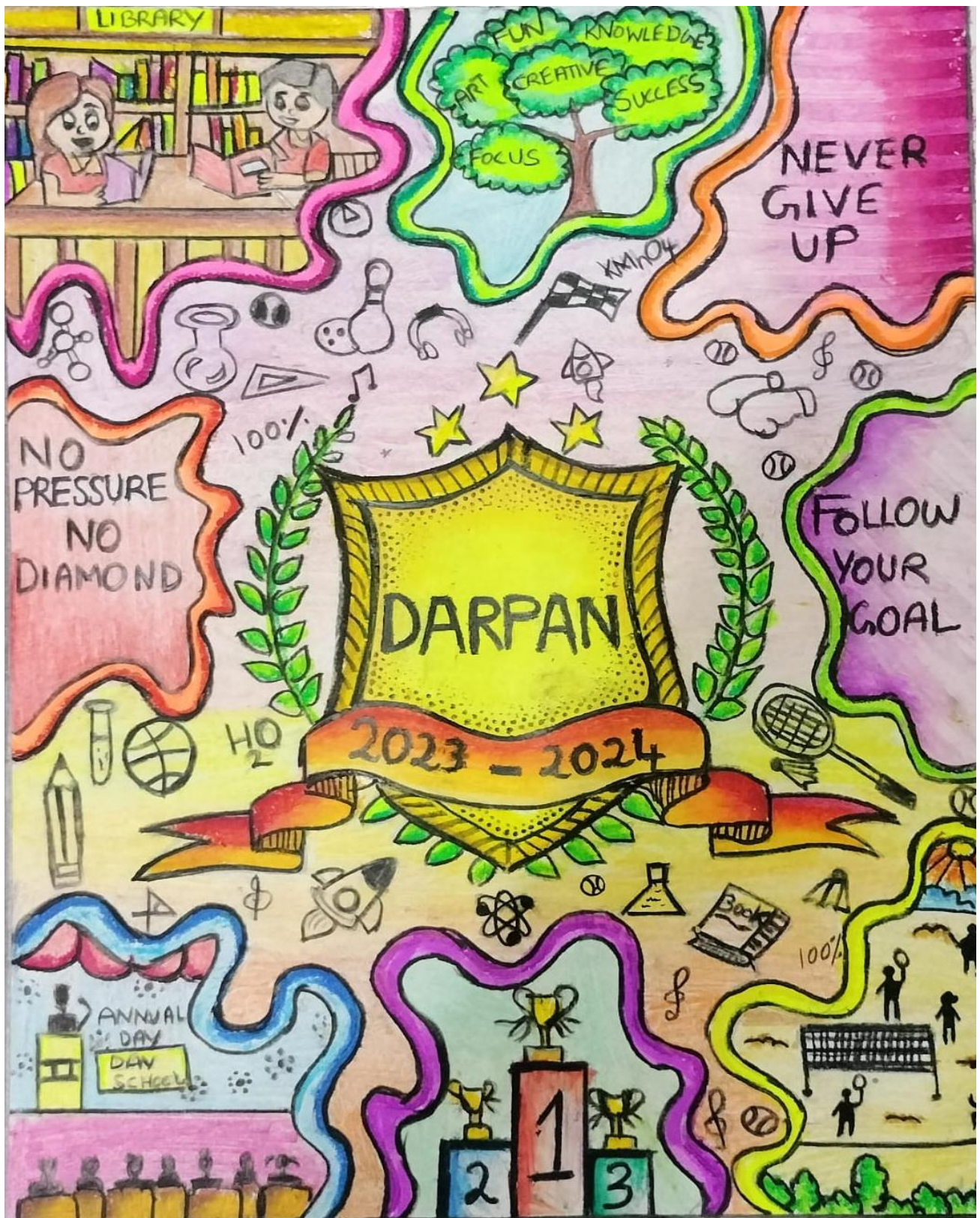




**NAME: S. NIKITHASHREE**  
**CLASS: VII A**







**VAISHHAVII C G - XII B**

