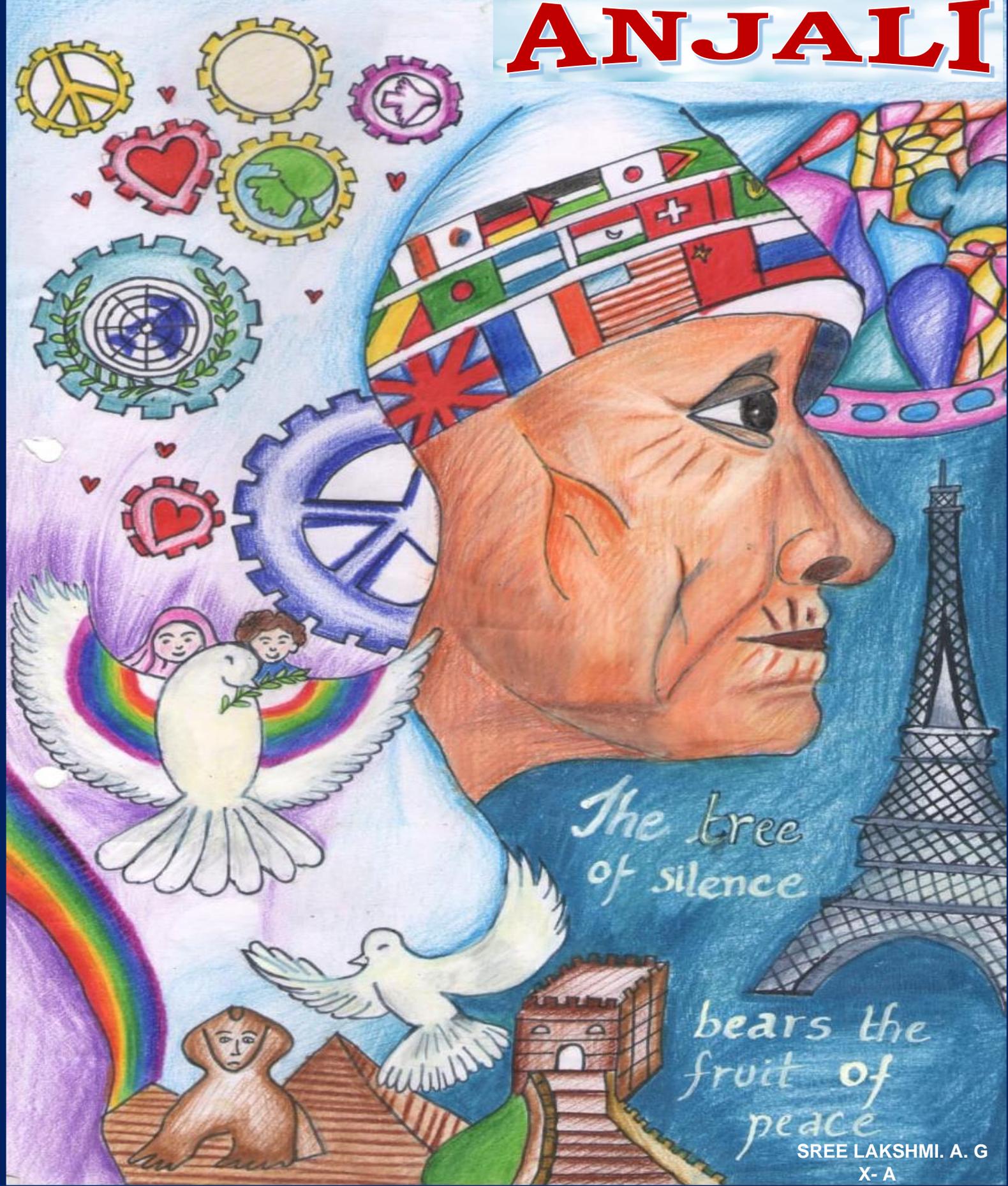


ANJALI



*The tree
of silence*

*bears the
fruit of
peace*

SREE LAKSHMI. A. G
X- A

D.A.V SECONDARY SCHOOL, MOGAPPAIR,
Chennai – 600 037.



ANJALI

2020-2021

VOLUME- XXIV

THE 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, beginning less, 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 books to 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 i.e., after a thorough consideration of right and wrong.
6. The primary object of the Samaj is to do good 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 contended 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



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EDITORIAL MESSAGE

“The best view comes after the hardest climb”

As an icon, our school magazine, ANJALI, is indeed a blend of sustained efforts by the teachers who sorted out the innovative ideas of our inquisitive young writers from the flood of articles and the pious attempt of our zealous students through their overwhelming contributions to hold the interest and admiration of the readers. It's worth to acclaim the relentless endeavours of every soul to bring excellence to this treasure trove. In addition, Anjali surely unfolds the most unforgettable and precious moments of our school.

John Green rightly says, “What makes a book valuable is not the paper it's printed on, but the thousands of hours of work by dozens of people who are dedicated to creating the best possible reading experience for you”. Let's enjoy and appreciate this herculean attempt of the young minds.



PRINCIPAL'S DESK

The year that went ahead was not only reminiscent of percolating on the scholastic and non-scholastic activities but it peps up in the present as a catalyst handing in an energy to march ahead in future to better the best. Be it past, present or future – what a young mind needs is a platform to expose, explore and experience every single moment of school activities. It is in this perspective comes our school magazine ANJALI, an earmark for all the students to seek, to find and be known. The moment the students were informed of submission of articles to the magazine, there was an overwhelming response and our school mail was flooded with many interesting articles. I wish to place on record my bounteous gratitude to the contributors and the Anjali team for bringing out yet another glorious edition of **ANJALI-2021** despite pandemic hitches.



D.A.V SECONDARY SCHOOL, MOGAPPAIR

CHENNAI – 600 037

STAFF LIST – 2020 – 2021

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PRINCIPAL
(Associate NCC Officer)**

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ANNUAL REPORT 2019 – 2020

Respected Members of the Board of Management, Smt. Parmila Gauhar, Immediate past Secretary, Shri Vikas Arya, Secretary D.A.V Group of schools, Chennai, Shri Atul Nangia, Joint Secretary, Shri Lalit Nangia, Convenor, DAV Group of Schools Mogappair, Shri. Yogesh Kalia, Financial Controller, D.A.V Group of Schools, Mogappair, Principals and Headmistresses of D.A.V Group of Schools, teachers, parents, well-wishers, and my dear students. Namaste everybody. I take immense pleasure in welcoming you all to the new academic year. It is my privilege to present the Annual Report of our school for the academic year 2020-21.

“Endurance is not just the ability to bear a hard thing, but to turn it into glory”.

Even though this academic year was quite challenging being struck by the pandemic, our students have bestowed eminence in diverse curricular, co-curricular and extra-curricular activities.

ACADEMIC ACHIEVEMENTS:

HIGHEST AGGREGATE IN HIGHER SECONDARY AND SSLC EXAMINATION 2019 – 20:

NAME OF THE EXAMINATION	NAME OF THE SCHOOL TOPPER	MARKS SECURED	AVERAGE
Higher Secondary 2 nd year	THRISHAL J	582/600	97%
Higher Secondary 1 st year	ABINAYA B	581/600	96.80%
SSLC	KAUSALYA O	487/500	97.40%



RESULTS AT A GLANCE 2019-20:

NAME OF THE EXAMINATION	NO. APPEARED	NO. PASSED	NO. OF STUDENTS SCORING BETWEEN			
			ABOVE 90%	75-89%	60-74%	BELOW 60%
Higher Secondary 2 nd Year	147	147	13	71	58	5
Higher Secondary 1 st Year	147	147	7	72	61	7
SSLC	80	80	14	32	30	4

CENTUM:

HIGHER SECONDARY EXAMINATION 2ND YEAR 2019-20:

- ♣ Computer Science: 11
- ♣ Mathematics: 1

HIGHER SECONDARY EXAMINATION 1ST YEAR 2019-20:

- ♣ Computer Science: 5

SUBJECT AVERAGES: AN OVERVIEW

SUBJECT AVERAGES	TAMIL %	SANSKRIT %	ENGLISH %	MATHS %	PHYSICS %	CHEMISTRY %	BIOLOGY %	COMP SCI %
XII	86.3	89.3	84	68.2	66.8	72.8	72.9	92.5
XI	88.1	86.8	78.5	65.8	72.7	70.4	71.4	86.6

SUBJECT AVERAGES	TAMIL %	ENGLISH %	MATHS %	SCIENCE %	SOC. SCIENCE %
X	80.0	82.9	75.9	74.3	68.9

At this juncture, on behalf of the management and staff, I take this opportunity to congratulate the students on their impeccable academic performance.



CONSOLIDATED COLLEGE ADMISSION DETAILS BATCH 2019 – 2020

S. No	Course Joined	No. Of Students
1	MBBS	
	GOVT	3
	PRIVATE	7
2	B.E/B.TECH	
	ANNA UNIVERSITY	3
	SELF-FINANCING -	74
3	B. ARCH	
	NIT	1
	PRIVATE	1
4	B.P. T	2
5	B.D. S	2
6	N.I.F.T.,	1
7	L.L.B.,	1
8	B.A., B.SC., B.C.A.,	32
9	REPEATER NEET	20
TOTAL		147

ANNUAL EVENTS:

“Through hard work, perseverance and a faith in God, you can live your dreams” says Ben Carson.

Our DAVians firmly believe, **HAVAN** is a way to invoke the blessings of God Almighty. Hence the academic year commenced with the **Inaugural havan** conducted on 24th June 2019 at I.T.C Auditorium, DAV Senior Secondary School, Mogappair. Our Revered Secretary Shri.Vikas Arya, Convener Shri. Lalit Nangia, and Financial controller Shri. Yogesh Kalia, graced the occasion with their presence.

The prominent student leaders swore oath to shoulder their responsibilities in the **Investiture ceremony** organised on 24th June 2019 at I.T.C Auditorium, DAV Senior Secondary School, Mogappair in the presence of our Revered Secretary Shri.Vikas Arya, Convener Shri. Lalit Nangia, and Financial controller Shri. Yogesh Kalia.



"Yoga is the journey of the self to the self" portrays The Bhagavad Gita. True to this, the **International Yoga day** was celebrated on 21st June 2019 in our school premises to instil the significance of yoga to our students.

The **26th Annual sports meet** was held on 30th July 2019 at Jawaharlal Nehru stadium, Chennai with mind boggling gusto. The chief guest Shri. Shri. Roy. K. Mani, SAF games gold medallist and Asian master's athletic meet bronze medallist was invited to inaugurate the ceremony. A grand parade of gallant cadets of DAV group of schools was a feast to the spectators. The Takshasila house of our school won the overall championship.

The **73rd Independence Day** was celebrated on 15th August 2019 at DAV Boys Senior secondary school, Mogappair. The celebration kindled the patriotic spirit as the tri-colour flag was unfurled by our chief guest Lieutenant Colonel K. Premanand. The Independence Day message was presented by our director Shri. Vikas Arya. The dazzling cultural show of all three schools was astounding.

The **26th Annual Day** themed as "Bhoota Bhavya Bhavishya" was celebrated on 14th October 2019 at I.T.C Auditorium, D.A.V Senior Secondary School, Mogappair. The chief guest of the celebration was Shri. Sudarshan Ramabadran, Senior research fellow and administrative head at India Foundation's Centre for Soft Power and the convener of Tamil Nadu Young thinker's forum. The scintillating cultural programme was a feast for the audience.

To emphasise the nobility of teaching, the **Teachers' day** was celebrated on 5th September 2019. Our school pupil leader, Sahithi MR of class 12 delivered a speech on unconditional contribution of the teachers to the society which was an emotional moment for all the teachers and this was followed by the principal's address.

"Charity begins at home but shouldn't end there" in accordance to this Scottish proverb, "**Dhan Utsav**", the festival of giving is celebrated to enlighten our students on the habit of sharing. The students of class 6 and 8 visited various schools and residential care for people with special needs and contributed provisions, stationery and hygiene kits.

Children's Day was celebrated on 14th November 2020 in our school. The kids enjoyed the graceful movements exhibited by our teachers.



Annual Gayathiri Maha Yagna was performed at DAV Girls Sr. Secondary School, Gopalapuram from 5th January 2020. This week-long programme paved the way to worship the Supreme Being.

In order to highlight the importance of cultural diversity of our country, the harvest festival, **Pongal** was celebrated on 13th January 2020. The cultural performance by our tiny tots of the Kinder Garten was spectacular. The convener Shri. **Lalith Nangia** and financial controller Shri. Lokesh Kalia joined us for this festive moment. 'Siragadikkum chutti pongal', a special programme was broadcasted on DD Podhigai on 15th January 2020 in which our Anjali choir performed a mesmerising music show.

"Service to mankind is service to god", **Gyan Pravaha**, a teaching initiative was introduced by our management to inculcate in students a sense of service. Once in a week, our students of class 9 taught elementary concepts of all subjects to the students of Chennai Corporation Middle school, Sector-II, Mogappair.

Kid's carnival was organised on 24th January 2020 in our school. The children of classes I – III actively enjoyed themselves in various activities and were spell bound on witnessing the fantabulous magic show.

The **71st Republic day** was celebrated on 26th January 2020 with patriotic fervour at the I.T.C. Auditorium, jointly by the DAV Group of schools, Mogappair. Captain Sonam Niroula, Officer Training Academy, Chennai unfurled the national flag and inspired us with her thought-provoking speech. Our Revered Secretary Shri. Vikas Arya addressed the audience, which was followed by an exuberant cultural programme by our students.

CO-CURRICULAR GLORY:

Master Art Competition organised an art competition under the title "Indian Art Talent" in our school, in which forty-six students of our school bagged the "Golden achiever award" and were awarded gold medals. **Malar P** of class 3-A won the pure silver painting brush and a memento for her exquisite artistic skills.



An art competition was arranged by **Faber Castle** in our school on the topic “The sport I love”, in which nine students topped the leader boards out of hundred participants.

“**Disputandum**”, an inter DAV debate competition was solely organised in our school on 10th January 2020. Our students of higher secondary, **Manusri B** of 11-A, **Sri Harini R** of 12-A and **Sahithi MR** of 12-C secured the first position under super seniors’ category. The winners were honoured and congratulated by our convener Shri. Lalith Nangia for their persuasive arguments.

The **Prajya Examination** was conducted by the DAV Group of schools in the month of October and November for the students of class VI to XII to prepare them to face the competitive examinations in the future.

WORKSHOPS:

- ♣ Mrs. S Padma and Mrs. Mercy Jecyntha of Mathematics department attended a workshop on 16th November 2019 at DAV Girls Sr. Secondary School, Gopalapuram. The resource person Mr. Ranjit from “Orient Black Swan” publication acquainted the teachers with innovative methods of teaching maths at primary level.
- ♣ A theatre workshop was organised on 24th August 2019 for the teachers of DAV Group of schools and the resource person recommended the integration of basic theatre skills in the curriculum and equipped the teachers with basic drama tools and techniques for effectively delivering their lectures in a fun-filled way.
- ♣ Mrs. R Kalaiselvi, Mrs. Sandhya Nair and Mrs. Aruna Prabu of the English department, Mrs. T. Sangeetha of the nursery department attended the workshop organised by Karadi Path Pvt. Ltd on “Reimagining English classrooms” at DAV Boys Senior Secondary school, Gopalapuram on 18th January 2020. The resource person, Mrs. Preethika Venkatakrishnan introduced the Karadi Path’s methodology to teach English creatively.



FIELD TRIPS:

“Travel is still the most intense mode of learning”. Bearing this in mind our students were taken on various educational trips.

1. The students of class IV and V visited the government museum, Egmore on 6th February 2020, which enabled them to acquire knowledge on the rich culture of India.
2. The students of class VI, VII and VIII were taken to Dakshin Chitra on 15th February 2020, which gave them a great exposure to the cultures of South India.
3. The students of class IX and X were taken to the hill station, Wayanad and a five-day trip to the hill station, Coorg was organised for the students of class XI and XII during their vacation.

NATIONAL CADET CORPS:

The Combined Annual Training Camp conducted by 1 Tamilnadu Battalion NCC, Chennai was held at VIT University from 25th May to 3rd June, 2019. Seventeen NCC Cadets from our institution attended the camp enthusiastically.

The Combined annual training camp of Tamil Nadu one battalion NCC, Chennai was held at Dhanalakshmi College of Engineering, Manimangalam, Tambaram in the month of September. Seven NCC cadets attended the camp and participated in various competitions.

Cadet **Pramoth Arya M** of class 9 A participated in the pre- IGC conducted by NCC group and adjudged as the “Best Cadet” based on his performance.

SPORTS EVENTS:

“Winning isn't everything--but wanting to win is.”, says Vince Lombardi. True to it, our young DAVians never fail to seize opportunities when it comes to sports and games. Here is a contour of our achievers.



To begin with, **Siddhesh.B.U.** of class VII B and **Prajeesh B.U.** of class III B participated in the 4th Queens International Federated Chess Tournament held at Ernakulam from 26th 28th, May'19 and the duo won the III position in their respective categories.

Bhavya G and **Taejaa Sri.D** of class IX emerged winners at the District Level U-17 Double Table Tennis Tournament and participated at the State Level held at Madurai on 1st, Feb' 20.

Kushaali. R of class XII C and **Akshay. E** of class XIB bagged the Runners-up position at the District Level Badminton U-19 Doubles Tournament held at Tiruvallur on 28th, Oct'19.

Harshadha Anand. S of class VIII B and **Harshini Kalpana. R** of class VIIB secured the Runners-up position at the District Level Badminton U-17 Doubles Tournament held at Tiruvallur on 28th, Oct '19.

Varun Krishna. V of class XI A took part at the District Level Athletic Meet held at Battalion Grounds, Avadi on 31st, Oct'19 and coveted the I place in High Jump in U-17 category and participated at the State Level Athletic Meet held at Madurai on 1st Feb' 20.

In the U-14 category, our Boys Foot-Ball team emerged winners at the Zonal Level Tournament held at M.G.R. Adarsh Mat. HSS, Chennai-37 on 28th Aug '19 and participated at the District Level Competition.

Our school U-17 Boys Foot-Ball team bagged the Runners-up position at the Zonal Level Tournament held at M.G.R. Adarsh Mat. HSS, Chennai-3 on 28th, Aug '19.

Similarly, U-14 and U-17 Girls Basketball team emerged Runners-up at the Zonal Level Tournament held at Velammal MHSS, Mogappair on 9th Aug'19.

Bhargavi. G of class III A secured the II position at the District Level Chess Tournament held at SRM, MHSS, Ambattur on 14th, Oct '19. She also participated at the State Level Tournament held at Erode on 30th Oct '19.

The Inter-School Chess Tournament was organised on 4th Sep '19. Around 20 schools participated. Our school won the overall Championship for Boys while PSBB, KK Nagar won the overall Championship for Girls.



SECRETARY'S REPUBLIC DAY SPEECH, 2020

Respected Chief Guest **Colonel Vembu Shankar**, Immediate Past Secretary Smt. Parmila Gauhar, Financial controller Shri **Atul Nangia**, other members of the Management, Principals, Teachers, Supporting staff, Parents & my dear students. Namaste to one and all present here.

We have gathered today to celebrate the 71st Republic day of this great nation. It is a matter of great pride for us that India continues to be the largest democracy in the world though we have our own set of challenges. And, to address some of these challenges, India has taken a few bold steps over the last seven months, which includes removal of Article 370 and the enactment of the Citizenship Amendment Act, i.e., CAA.

I am sure many of you would have heard about numerous protests - initially around Article 370 and now around CAA – mostly by young college going students. The most unfortunate part around these protests is that many of the agitating students have no knowledge about the provisions of CAA and have been simply misled by certain vested interests. For instance, Farhan Akhtar, a famous Bollywood actor who was seen protesting against CAA, when asked about the subject, remarked rather sheepishly. He said - "If you go into the details, it looks like there can be something in there... If everything was okay, why would so many people be concerned?". He essentially knew nothing about CAA but was seen marching along the streets of Mumbai simply because so many others were there! If this is the status of so-called well-read people, we can all well imagine how the gullible students are being misled into believing that they should be protesting – which rather seems cool to them! I therefore would like to take this opportunity to explain in very simple terms about three aspects – CAA, NPC & NRC.

What is CAA?

Let me first give you some background. India got its Independence in 1947 after a blood-soaked partition wherein India was unfortunately sub-divided based on religion with two independent nation states: Hindu-majority India and Muslim-majority Pakistan. Pakistan later broke up into West Pakistan and East Pakistan which is today known as Bangladesh, once again a Muslim-majority state.

Very interestingly, while India chose to have a secular constitution, Pakistan and Bangladesh officially declared themselves to be Muslim countries. Now, both these



countries also had minorities from other religions – Hindus, Christians, Jains, Sikhs, Buddhists, Parsis etc. The track record of minorities in these officially Muslim countries has been extremely poor - they have been severely persecuted over the last seven decades. To give you a perspective, while the Muslim population in India has grown from 10% in 1951 to 14% in 2013, the Hindu population in Pakistan has significantly come down from approximately 15% to 1.8% now. Pakistan was indeed recently ranked as the ninth worst performer in 2019 on protection of minorities.

Given this situation, scores of minorities who have been persecuted due to their religion, across three countries – Pakistan, Bangladesh & Afghanistan have illegally moved to India and have been living here as refugees. The CAA legislation has essentially made the process of granting Indian citizenship to these persecuted minorities simpler. Indeed, even Mahatma Gandhi had urged that people who are tortured in Pakistan and other nations due to their religion, should be given citizenship in India on humanitarian grounds

So, what is the controversy about? This CAA is only applicable to the minorities i.e., Hindus, Christians, Jains, Sikhs, Buddhists & Parsis who have faced continuous persecution due to their religion in these officially declared Muslim countries. It therefore does not cover the majority Muslims from these countries.

So, the question arises - Do Muslims also illegally migrate to India from these neighbouring countries? Yes, they do for economic reasons. Indian for instance shares a 4,000 km long border with Bangladesh and lakhs of Muslims from Bangladesh cross over to India for better jobs, government subsidies and other opportunities. The Indian government has not covered those illegal Muslim migrants from neighbouring countries as part of the CAA.

However, we all must know that anyone coming from another country, including Muslims, who follow the due process followed in the Indian Constitution can also be granted citizenship. The change under CAA is that the process of granting citizenship to these persecuted minority communities has been made easier reducing their wait duration from 12 years to 6 years. They will be granted fast track Indian citizenship in six years. So far 12 years of residence has been the standard eligibility requirement for naturalisation, i.e., the legal process by which a non-citizen of a country may acquire citizenship.



India has been struggling to provide jobs and provide social security benefits to its own citizens. Therefore, India is perfectly justified in not extending this concession to people of neighbouring countries who are coming over to India for economic reasons. Think about it – can you just enter the USA as an illegal migrant and claim citizenship there?

Misinformation has been spread that the existing Muslims citizens of this country are in danger of being sent out of the country – this is absolutely false propaganda. This act has nothing to do with the existing Muslim citizens of this country – no one's citizenship is being taken away. This act is only about giving citizenship to refugees from neighbouring countries who have been tortured on religious grounds. The fear-mongering which is being spread across the length and breadth of India appears to be motivated, with a sinister design to harm the nation. The CAA does not impact Indian citizens and hence claims that a citizen's rights and liberties are being infringed, is completely untrue.

Now, let us briefly understand what is this NPR & NRC. NPR, i.e., the National Population Register is nothing but a register of people living in a particular locality for at least the last six months - both Indians & foreign nationals. Now, what is fundamentally wrong in recording list of people staying within the boundaries of India? The National Population Register may ultimately lead to the preparation of National Register of Citizens, which will help us clearly identify and document the citizens of this country.

It is rather sad that many of our politicians who are only concerned with their vote banks are trying to woo certain sections of our society and have been mischievously opposing the CAA-NPR-NRC. My dear children, we are in a new India – a country which is increasingly being respected globally due to its ethos and a stronger foreign policy. However, the internal security of the country is a matter of grave concern. The recent killing of Sub-Inspector Wilson by ISIS sympathisers clearly indicates the threats of Islamist fundamentalism in the country. I hope we all remember how the Jallikattu protests in Tamilnadu in 2017 were taken over by Jihadi forces and we for instance saw some protesters openly displaying mug shots of Osama Bin Laden while holding pictures of Prime Minister Modi garlanded with footwear. Only after the dust settled down, did we all realize how we were fooled by the external forces who had their own sinister agenda of breaking India.



We therefore need to ensure that we actively understand what is happening around us; we should participate in intellectual forums; let us not be naïve and trust everything of what appears in newspapers & social media. Let us apply our own intellectual filter and arrive at informed conclusions. Thanks to our educational backgrounds, we all need to be 'Intellectual Kshatriyas'.

Remember, whether it is Article 370 or the CAA, it is not about Hindu vs Muslims – it is about one country, one India. It is about being a true patriot wherein it is the country which reigns supreme, not the religion one belongs to.

Thank you. Vande Mataram!



SECRETARY'S INDEPENDENCE DAY SPEECH, 2020

Respected Members of the Management, Principals, Teachers, Parents & my dear students. Namaste. Every Independence Day reminds us of a defining moment in India's history – the unfathomable mistakes we made due to which we endured almost 900 years of subjugation initially by the Mughals, followed by the British, and how we finally became independent.

Today, inspired by modern thinker, Mr. Rajiv Malhotra, I however wish to highlight the one burning question that confronts us, even after 74 years of gaining independence. What is India's grand narrative?

The narrative of a nation is the overall story of its people: who they are, where they came from, what their thoughts are, what their philosophy and way of life is, what makes them one people, what was their past story and what is their future trajectory, what were their contributions to the world, and so on.

In the United States, every child is proactively taught about the founding fathers and the greatness of America. In fact, the term American Exceptionalism is commonly used to refer to the American grand narrative. It is an important part of the conscious and unconscious collective psyche of most Americans.

China is a very interesting case. It has modernized without westernizing. Confucius was their most celebrated thinker and China decided that they are going to adopt Confucian modernity. Though there over 300 languages spoken in China, they moved to one Mandarin. They had a massive program to define and propagate their grand narrative as an ancient civilization that is rapidly becoming the world's greatest country once again. Remember, the Chinese were also colonized by the British, but they simply treat the period of subjugation as a 'blackout' period.

The British pride themselves as the ones who pioneered the development of modern democracy and created the Industrial Revolution. Even while the horrors of their colonial empire played out in the colonies, they spun the narrative that colonization was a great gift to civilize backward people with the "rule of law"; they project Shakespeare as the greatest writer who profoundly influenced literary discourse around the world.



While various powerful countries build their own narrative with their citizens proud of their heritage, we in India still remain fairly confused. We just do not know where we anchor ourselves. There are three key aspects of India's existing narrative, which clearly need to be revamped.

Firstly, the generic nature of Indian society – Media including Films – be it documentaries, Bollywood, other regional films industries most of which are controlled by hawala money from Middle East – India is depicted as a land of snake charmers, superstitious beliefs, sadhus, babas, poverty, filth on the roads, stray cows wandering our streets eating garbage, etc. It is displayed as a land where women have been subjugated, people have been discriminated & oppressed based on caste. Yes, there have been certain deficiencies some of which were further exploited by the British & Mughal - we have been amending them, but to paint the entire society with the same brush is a colossal mistake, while overlooking the dark history of exploitation, slavery & racism – Black vs White in many other different parts of the world.

The second pertinent false narrative is that we gained independence primarily due to Ahimsa (non-violence) policy of Gandhi ji. We as a society were lulled into believing that just keep sacrificing without any armed struggle and you will be able to win over British. We indeed would have gained independence much earlier if we had engaged militarily with the British in a more strategic way. It is a matter of shame for us that rather than freeing India of the clutches of the British, 13 lakh Indians fought for the British during World War I of which 74,000 Indians were killed; 25 lakhs of them fought during World War II of which 87,000 were killed.

This gross misinterpretation of the Ahimsa concept taught in our textbooks, has led to lack of a military culture in the country. We were humiliated by the Chinese in 1962 and even today, we are not the best prepared to take on the Chinese. We hardly teach any military history to our children and have not meaningfully invested in defence. While it was good that Rafael aircrafts were finally procured by us, somewhere deep within, the celebratory mood in the country was rather embarrassing – we as a nation could not have indigenously developed the technology. I am glad that finally India is taking concrete steps to become self-reliant in defence space.



The third false narrative I wish to highlight is the Aryan Invasion theory. Not only did the Europeans falsely try to claim ownership of the rich Sanskrit literature that clearly belonged to the Indian sub-continent, this theory has also created a Dravidian divide amongst the people of the country. Till today we keep falling prey to it, exploited by political parties for their petty political gains.

So, then what defines India's true grand narrative? Our civilization is one of the oldest, over 10,000 years old, when there were none of the modern religions of the world as we see them today – No Christianity, No Islam, No mention of word Hindu either.

The Vedic open architecture which has a long history of nurturing harmony across very diverse ideas is the true Indian grand narrative. The concept of Dharma, rather than religion is our narrative. Praying for everyone's welfare - Sarvebhavantusukhinaha is our narrative. Yoga and associated mind science, wherein the ultimate objective of the soul is to achieve moksha is our narrative. Sanskrit literature which has deep insightful mantras & shlokas is part of our grand narrative. Ayurveda is our narrative. Love for animals, respect for elders, joint families are our narrative. Cow, whom we reverentially call, GauMaata is part of our narrative. Mahabharata & Ramayana are our narrative. They contain an exhaustive set of situations about family, society, state and conflicts. For each of these dimensions, it provides multiple perspectives of dharma through powerfully portrayed characters. It summarizes about the origin of India and its people, society, politics, ethics and philosophical systems. It is in this context, the building of Ram temple is a great step, not because all our sins will be washed away or we will attain moksha only by praying at the to be constructed temple – but because it is an integral part of India's grand narrative.

I am not sure if many of you know that when the Constitution of India was being drawn a debate occurred whether it should be printed as just a book, or should it also convey the heritage of India. They decided that it should also convey the narrative of this great civilization & commissioned the services of the famous artist from Bengal - Nandalal Bose. Very interesting and aptly, on the first page of the Indian constitution which dwells upon citizenship was depicted an artwork on the Vedic way of life in India. The next two pages have illustration from Ramayana – with Sri Rama coming home to Ayodhya and Sri Krishna giving the upadesh from the Bhagavad Gita.



Therefore, my dear children, it is extremely important that we chart our own grand narrative – based on genuine pride and respect. Compared to an average American or Chinese or British child of your age, you have a much larger ground to cover, responsibility to fulfil, to ensure that you build a society that is self-confident and self-respecting, without being arrogant. It is strength – physical, economical, spiritual which builds a strong nation& this is indeed the most effective way to prevent war and practice ahimsaa in its true sense. Before, I conclude, I am reminded of a few lines by the poet, Sri Atal Behari Vajpayee –

Who listens as I sob over my broken dreams,

I silently weep soaked in my internal pain;

But I will not accept defeat; will neither create enemies;

I will both write& erase on my time-based grand narrative, I sing a new song today

टूटे हुए सपनों की कौन सुने सिसकी; अन्तर की चीर व्यथा पलको पर ठिठकी

हार नहीं मानूँगा,रार नई ठानूँगा,काल के कपाल पे लिखता मिटाता हूँ; गीत नया गाता हूँ।



FINANCIAL CONTROLLER'S INDEPENDENCE DAY SPEECH

Shri Anoop Nangia

D.A.V. Gopalapuram & Puducherry

Respected Secretary Shri Vikas Arya ji, Members of the Board of the Management, Mrs. Shanthi Asokan, Director for Academics, Principals, Headmistress of the DAV Group of Schools, Teaching Faculty, Non-teaching Staff, Parents, Well-wishers, and my dear most beloved Students, NAMASTE one and all.

I am privileged on this historical and auspicious day to address you all. When I recount the significance of the Independence Day, what I wish to convey is one's love for the country is of utmost importance. We also remember the great sacrifice our elders have made for us to cherish this freedom.

Bal Gangadhar Tilak's words that '**Swaraj is my birth right and I shall have it**' was indeed a catalyst that set the national spirit in motion. Hence reading of History is of utmost importance for all who attach a sense of patriotism.

One need not express in flowery words about one's love for the country but the feeling of one's love towards the country should be endogenous. This is the emotive fibre which has made us all celebrate the 74th Independence Day so patriotically. Present days Covid-19 has unleashed its monstrosity smiting the people by scores, throwing life out of gear. Yet we have never given up the fight against the virus and this is similar to our fight against the British Clutches in the past. We will come out of this pandemic a stronger nation.

India today is not as it was yesterday, rather, we have come a long way, despite ours not being called a developed country. We are the leaders to the rest of the nations in many areas such as: teaching the tenets enshrined in the Vedas, which are the treasure house of knowledge, equating women and giving them equal rights (the recent SC's ruling that daughters too have the rights to inherit the ancestral properties on an equal footing with sons) bears testimony to it.



Indians today are at the helm of many MNCs like Microsoft, Citygroup, Pepsico, Motorola to name a few -not to speak of one Mr. Sundar Pichai hailing from Tamil Nadu, being the Chief of the GOOGLE Company.

India's architectural marvels of the temples, joint-family norms, widow pension, women's empowerment, implementation of SSA, (Sarva Shishya Abhiyan) which focuses on the universalisation of primary education in a time bound manner thereby making free and compulsory education to children between the ages of 6 to 14 a fundamental right, trying to berth 33% reservation for women in the Lower House of Parliament and in all state legislative assemblies, the Prime Minister's Clean India (Swachh Bharat) scheme are examples of our progressive country.

It would be judicious to recall what the late People's President Dr. Abdul Kalam said: " India can sign copious treaties with the members of the nations but no other country can dictate what we have to do, so to say, we have to be self-reliant. Only then, can India emerge a developed state".

Of course, we are surrounded by hostile countries, which are trying desperately to destroy us. But we shall never give up our 'unity in diversity and that is the single thread which binds us all as a single nation.

It is illustrious on the part of our country that we were able to show fraternity, solidarity and secularism in finding a lasting solution to construct Ram Temple at the disputed site in Ayodhya even with the whole-hearted participation of our Muslim brethren.

Dear students, take cues from the past as you are in the present and see what best each one of you can contribute in the nation-building for the country's strong future. Never hesitate or withdraw from your contribution, for as Douglas Malloch, a poet of the first order rightly says, 'Be the best in whatever condition you are; size does not matter, what matters is your contribution, because all of us can't be captains of a ship, a few have to be crew', only then can a ship cruise on the rough seas.



I would conclude with a prayer: -May you all be blessed, for you are the future citizens in whose hands lies India's dynamic prosperity. I pray to God Almighty to shower His blessings on you to take the nation to the dizzy height as envisioned by Dr.Kalam, who wanted India as a developed state. I join you all in saluting the nation for its growth and self-reliance.

BOLO, BHARAT MATHAKE JAI! JAI HIND!



D.A.V SECONDARY SCHOOL, MOGAPPAIR

CHENNAI - 37

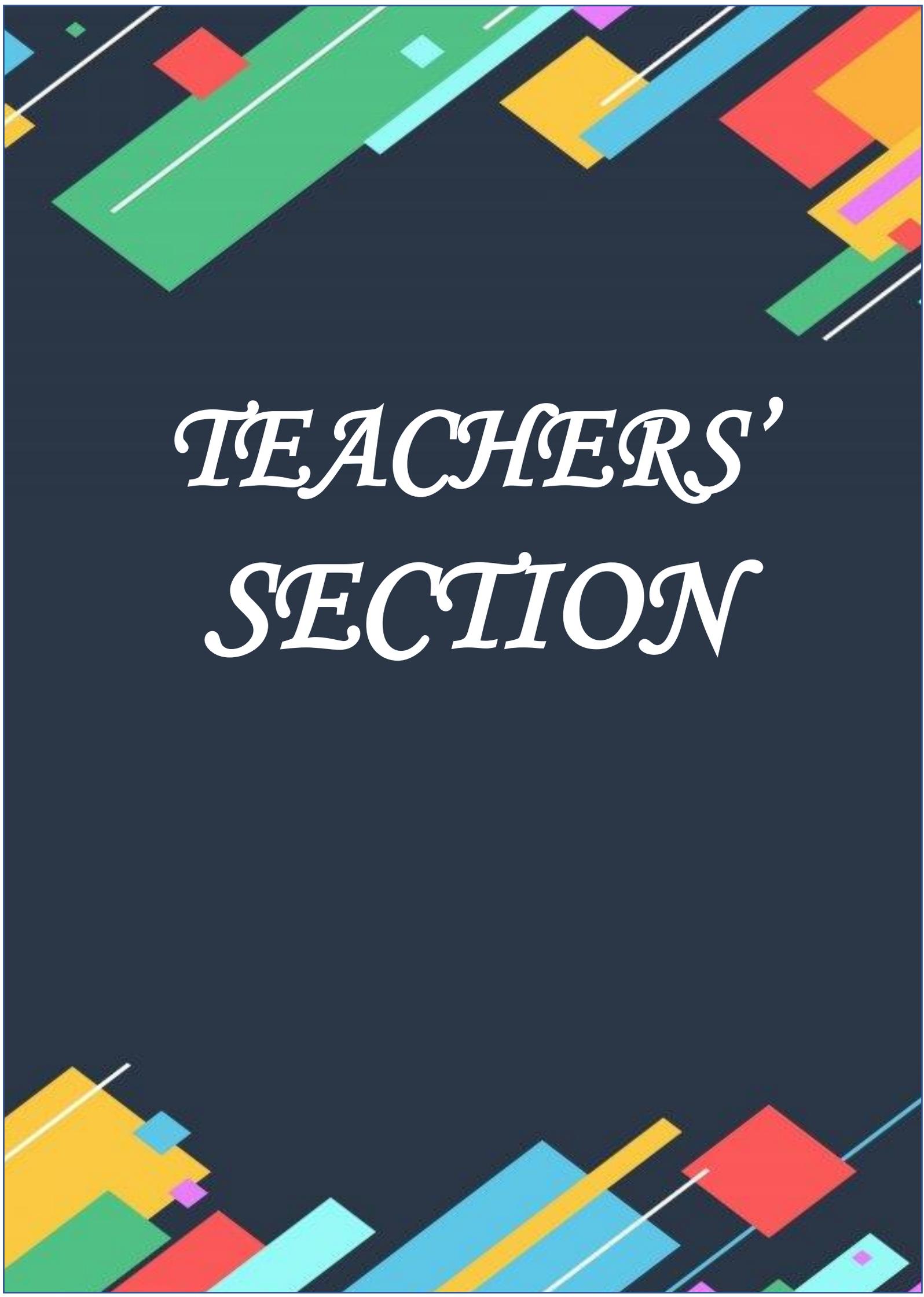
PRIZE WINNERS – 2020 – 2021

SL. NO.	CATEGORY	STUDENT NAME (WITH MARKS)	
I.	OVERALL TOPPERS		
	XII STD		
	BIOLOGY GROUP	THRISHAL.J	(582/600)
	COMP. SCIENCE GROUP	SAHITHI.M.R	(564/600)
	XI STD		
	BIOLOGY GROUP	VARDHANA.P	(575/600)
	COMP. SCIENCE GROUP	ABINAYA.B	(581/600)
X STD	KAUSALYA.O	(487/500)	
II.	SUBJECT TOPPERS		
	XII STD		
	1. TAMIL	AMRITHA.G	(98/100)
		ELAKIYA.E	(98/100)
		KALAIVANI.B	(98/100)
		HOSIBHA.V.L	(98/100)
	2. SANSKRIT	AKSHAYA.S	(99/100)
		SAHITHI.M.R	(99/100)
		SHREE LAVANNYA.B	(99/100)
		BRINDAA.G	(99/100)
DIYA.D.RAJ		(99/100)	
SHAKTHI RAM.C		(99/100)	
3. ENGLISH	HARINATH.B	(98/100)	
4. MATHS	CENTUM SCORER THRISHAL.J		
5. PHYSICS	THRISHAL.J	(95/100)	
6. CHEMISTRY	THRISHAL.J	(99/100)	
7. BIOLOGY	THRISHAL.J	(95/100)	
8. COMP. SCIENCE	CENTUM SCORERS SAHITHI.M.R SUJITHA KUMAR.N HARINATH.B VASANTH.R KARTHICK ASHWIN.R KARTHIK.R		

	KRITHISH KUMAR.C SANDEEP KUMAR.T KHISHORE.B CHARU.V CATHERINE JENISHA SHIRLEY.J.A	
XI STD		
1. TAMIL	ABINAYA.B VARUN KRISHNA.V	(98/100) (98/100)
2. SANSKRIT	LEISHA SAANVI.M MALAVIKAA.S SRUJANA SRINIVASAN SUREKHA NARESH SWETHA.S MEENAKSHI.K SARASWATHI.S RAKESH.N	(99/100) (99/100) (99/100) (99/100) (99/100) (99/100) (99/100) (99/100)
3. ENGLISH	VARDHANA.P	(96/100)
4. MATHS	SIBI RAAGHAV.A JAYARAM.A.H ABINAYA.B	(99/100) (99/100) (99/100)
5. PHYSICS	SIBI RAAGHAV.A	(99/100)
6. CHEMISTRY	SIBI RAAGHAV.A	(99/100)
7. BIOLOGY	SIBI RAAGHAV.A	(93/100)
8. COMP. SCIENCE	CENTUM SCORERS ABINAYA.B HIRTHIK SAI.S.D JAYAVARSHITHA.D NIVETHA.E SWETHA.S	
X STD		
1. TAMIL	KAUSALYA.O	(98/100)
2. ENGLISH	KAUSALYA.O PRATUL.V.S	(96/100) (96/100)
3. MATHS	KEERTHANA.G.S JASHWANTH.SA KAUSALYA.O	(99/100) (99/100) (99/100)
4. SCIENCE	DEEPIKA.S	(99/100)
5. SOCIAL SCIENCE	DEEPIKA.S	(99/100)

III. STAR PUPIL			
	LKG A		DARSHIKAA SREE.S.G
	LKG B		DEEKSHANA.P
	UKG A		DIYAA.S
	UKG B		TANISHKA SREE.T
	I STD		DARSHIKA.S
	II STD		VARSHEEKA.G
	III STD		SANA SRI.K
	IV STD		BHAIRAVI.G.K
	V STD		DEEPTHISRIGA.K.V
	VI STD		SWATHI.K
	VII STD		MADHUMITA.S
	VIII STD		SANJANASREE.R
	IX STD		NITHILAN.S
BEST OUTGOING STUDENT			
IV.	XII STD	BOY	MADHAVAN.T
		GIRL	SRIHARINI.R
SPORTS STAR			
V.	SUB JUNIOR	BOY	HARI KRISHNAN.S
		GIRL	HARSINI KALPANA.R
	JUNIOR	BOY	ARAVINTAKSHAN.N.G
		GIRL	TAEJAA SRI.D
	SENIOR	BOY	VARUN KRISHNA.V
		GIRL	KUSHAALI.R





*TEACHERS'
SECTION*

OF VIRTUAL ULCER TO THE TEACHING FRATERNITY...

“Old order should change yielding way to new”, goes Tennyson and the COVID-19 era (If it is permissible to use), bears testimony to the hilt. With the longer period of lockdowns and the absence of a vaccine to cure the novel Coronavirus victims looming large, stringent advisory by the medical world to maintain social distancing *inter alia*, have coerced the teachers –leave alone corporate world - at all levels to be tech savvy, so to say, the age-old chalk and talk method of crammed classroom teaching has been put on the back burner.

The teaching fraternity has no other option but to be ready to cut the teeth in getting down to the brass tacks for online teaching using all the available virtual platforms such as Zoom, Microsoft apps, leave alone each App having different features adding more ulcer to the teachers who are at the tender mercies of the virtual experts, to whom the teachers are late-bloomers, slow-witted and not smart enough to pick up things faster. This is life’s irony, to say the least.

Of course, it is an undeniable fact that most of the oldies, who are about to retire from service do struggle in handling all the electronic gadgets right from the latest android cell phone to sitting in the virtual sessions for operational purposes of the online Apps. No doubt, they desperately need more time to get acclimatized to the changing scenario. Alas! Time is flying on the rosy wings for them and they are expected to pick up the tricks of the Apps at the drop of the hat.

Arguably, in the traditional classrooms, provision for an emotional communication, insisting discipline, students enjoying gregarious movements with their peers, are to name a few, which are in store and in abundance, which is totally minus in the virtual domain, as the teacher’s serious teaching may not attract the learners, for



the learner has an advantage of remaining inattentive or switch off the video mode and leave the room for a recess.

As a senior faculty of my department, I had to sit in one such session, where the operating systems of the online Apps were patiently taught by an expert. At the end of the session, my colleagues asked me if I fathomed everything that was elucidated. I candidly confessed that only 50% of the technical aspects could be manageable, leave alone poor internet connectivity, inaudible voice and other participants' forgetting to switch off the mute key. Of course, as a messiah to my colleagues, who also felt that it was all just Greek and Latin for them, I asked the facilitator to send the instructions to our individual mails in simple language (despite our being teachers) step by step so that we could leisurely go through it and familiarize ourselves rather than standing as mugs online losing respect in the company of virtual students and parents.

Come what may, the battle between the traditional and the virtual worlds has begun, thanks to the novel Coronavirus, which has shaken the very roots of the traditional classroom teaching; needless to say, it is the traditional teachers who are in a pathetic condition as they have to fight with their weapons of knowledge using the virtual Apps lest they should lose their shine in the transitional world. In this fluid situation, the teachers have to adapt themselves to the virtual world, which awaits their presence. Of course, one cannot pump the ocean water dry overnight. The literate teachers, who also teach patience to the students, are given a chance now to test their own patience. It is only in this context; do we hail Coronavirus!

- **E.S. CHANDRASEKARAN**

PGT (ENGLISH)



THE PANDEMIC PLIGHT - A NEW ERA

“Acceptance and endurance heal more than time could ever”

Are you exhausted of 2020? Are the online classes and work from home schedules so hectic that we want this year to end so desperately?

Let's be honest!! 2020 was quite strangling. We were happy celebrating Pongal and then bam! in a wink of an eye here we are at Diwali and Christmas. Sanitizers and masks which weren't even advertised were at the limelight unexpectedly. Pandemic, quarantine and social distancing have become words of the day. The chills down the spine on witnessing the soaring number of deaths and infected, the endless information and updates streamed in channels and the frustrating yet “Informative” corona recorded messages looped every time we make a call. These were all the part of our lives and there is a plausible probability that this might even be a new normal. The days have lapsed when we skipped resolutions, snoozed alarms and lived the most mindful moments, the days we talked so deep with our adored ones and rediscovered the essence of human conversations, the days where Netflix and Amazon prime were the quintessential need for survival. Yes, we have also had days of depression, a feeling of confinement and a ceaseless avarice to return to the prevalent pace of life.

Before we posit just take a moment to realise no matter how hard the situation was, we still managed to thrive this far, no matter how adversely this pandemic has affected us, we still had moments to embrace and cherish for the rest of our lives. After all, at the end, memories are what that defines the life we lived. A lot of what we deemed were preposterous has emerged as the trend of pandemic days. Most of us tried cooking, revamping our ambience and numerous other hobbies but only when the sambar turns out to be too salty, we comprehend the flavour of standing in the shoes of



our near and dear ones. With the dwindling sound of the world, we have been granted the chance to auscultate our heart beats. Listen meticulously!! In this world of boundless possibilities, we might even discern a new dimension. As the saying goes, “Life is like a box of chocolates, we never know what we might get.”

Everything relies on our perspective. The glass may be half full or half empty. Miracles happen when we change the way we perceive the world around us. Let us all enshrine the positive retrospections, hold on to our audacity and hope for the best.

- PRAVINA. V

PGT (ENGLISH)

FROM A TEACHER’S HEART

We are up every morning...

A quick peep into the mobile...

Checking for the latest updates...

We rush with our daily chores.

By 9 a.m. we are ready to face the cameras with or without make up!

Entering the vast world wide web ...

Greeted by numerous children...

Our spirits are up!

Who ever thought of teaching MICROBIOLOGY through MICROSOFT

or meeting parents and kids through GOOGLE MEET?!

As we take our tiny baby steps to venture into this amazing virtual world

we find that it is an experience by itself!

Each day is a trial,



Each class is a challenge,

Driven by enthusiasm and dedication...

Hiding our fears with always a prayer in our hearts we carry on...

After every class, during the breaks, we rush to charge our gadgets and ourselves since both are drained out...

At times, connectivity issues trouble us more than the villain CORONA itself!

“Traffic jam, Miss”, “Mummy got up late, Miss”, “No petrol in daddy ‘s bike, Miss” All the lame excuses of children coming late to school are now replaced by a single statement “NETWORK PROBLEM MISS”!

We try our best to face the class with a smile on our faces and a pleasant tone in our voices...!

Bringing online discipline in the class, we try to impart knowledge that a child requires, making the difficult concepts easy for them to grasp in all possible creative and innovative ways....

But yes, there are trying times, when students complain that the board looks blurred or the teacher’s voice is breaking or the teacher’s video is stuck.... Oh my God!!

It really sucks!!!

But gathering courage and support from our Admins and Principal our noble work continues...!

- **MERCY JECYNTHA. J**

TGT -2 (MATHS)



கரோனா

கதிரவன் அமைப்புடைய கவிதை நாயகனே !

கண்களுக்கு புலப்படாமல் கபத்தை உருவாக்கி

கலங்கடிக்கும் கயவனே !

கல்விக்கூடங்களை மூடி கணினி வழிக்கல்வியை

கற்கத் தூண்டிய காவியத் தலைவனே !

கண்டம் விட்டு கண்டம் தாவி

கடல் கடந்து தாக்கும் வித்தகனே!

கரிமக் கரைப்பானில்

கரைந்து போகும் புரதமுடைய கள்வனே !

களத்தை விட்டு ஓடு !

கல்வி நிலையங்களின்

கதவை திறக்க வழி விடு !.

- வீரமுருகன் ஞா

PGT (CHEMISTRY)





*ENGLISH
SECTION*

1. REASONS WHY ENGLISH IS AN IMPORTANT LANGUAGE!!!

- **ENGLISH IS A GLOBAL LANGUAGE:**

English is the most commonly spoken language in the world. One out of five people can speak or at least understand English!



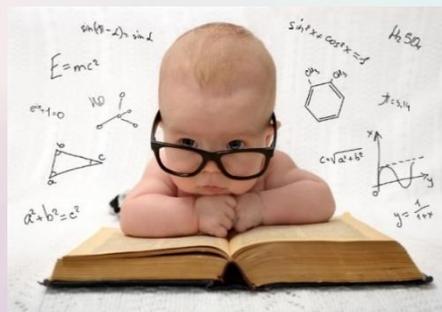
- **ENGLISH IS THE LANGUAGE OF BUSINESS:**

English is the dominant business language and it has become almost a necessity for people to speak English if they are to enter a global workforce. Research from all over the world shows that cross-border business communication is most often conducted in English and many international companies expect employees to be fluent in English.



- **ITS EASY TO LEARN:**

The vocabulary is simple to grasp and it has developed throughout different languages. Therefore, many speakers of other language adapt to understand the basics of English.



- **YOU CAN SAY THINGS IN HUNDRED DIFFERENT WAYS:**

One of English's best assets is its flexibility: you can often find many different ways to explain the same thing thanks to its wide range of vocabulary. It's said to have well over 750000 word.

- **IT'S THE LANGUAGE OF INTERNET:**

Most of the content produced on the internet (50%) is in English. So, knowing English will allow you access to an incredible amount of information which may not be otherwise available.

PERKS OF LEARNING ENGLISH:



1. The ability to communicate in a new language.
2. The brain undergoes a change in electrical activity.
3. Superior memory function.
4. Increased mental flexibility.
5. Increased problem-solving abilities.
6. Prevents the deterioration of brain functioning over time.

- KEERTHANA. G. S

XI – A



2. THE REALITY OF SOCIAL MEDIA ON BODY IMAGE

If you mindlessly scroll through Instagram or Facebook whenever you get a few seconds of downtime, you're far from alone. But have you ever wondered how all those images of other people's bodies – whether your friend's holiday snap or a celebrity's gym selfie – could be affecting how you view your own?

Much has been made over the years about how mainstream media presents unrealistic beauty standards in the form of photo shopped celebrities or stick-thin fashion models. Now that influencers fill up our feeds, it's easy to imagine that social media, too, is all bad when it comes to body image.

In 2018, research shows that despite age restrictions, 70% of 8-13-year-olds are using social media, with Snapchat being the most popular app (47%), followed by Instagram (36%). Snapchat is a multimedia messaging app that has risen in popularity due to its principal feature where messages and videos are only viewable by the recipient for a short period of time. However, News ranging from switching genders to snapchat filter facial surgery are among the headlines these days. It offers something for everyone. Filters are the line-erasing, zit-blasting, imperfection-blurring tool of the online world and I can completely see the attraction of such tools, especially on a bad skin day. Unfortunately, the increased use of such filters has created a new mental illness called 'Snapchat dysmorphia' where people seek out plastic surgery to look like a filtered version of themselves. Filters are not just a Snapchat phenomenon. In the age of selfie-driven millennials, there are multiple apps offering these features such as Face tune, Instagram and Facebook. And it's not just apps. Most mobile devices have inbuilt filtering features embedded in their cameras with the 'beauty' feature automatically applied when in selfie mode. On top of the normal pressures young people experience, they now have the increased pressure of their own technology pointing out their flaws.

Social media has created a culture of perfection and it does not stop at filtering. Throughout the years we have seen what the perceived image of a 'perfect body' is, from Marilyn Monroe to the Kardashians'. The 'perfect body' has changed over time depending on the influencers, such as celebrities, supermodels, reality stars and now social media stars. Instagram is flooded with pictures of celebrities and influencers showing off all their hard work in the gym. It's these deceptive Instagram snaps that can

put unrealistic expectations and pressure on young people and increase the percentage of children and young teens who suffer from body-related mental illness such as body dysmorphia, eating disorders and addictions (steroid use).

Behaviours such as spending hours focused on what they perceive to be wrong with how they look, taking hundreds of selfies before they find the one that is Insta-worthy, seeking approval from friends by posting multiple photos on social media and deleting the ones that don't get enough likes, feeling stressed, anxious or worried about their body image all the time and having a false perception of how they look are the initial stage symptoms of this dysmorphia.

Over the decades, print media has played a huge role in both women and men's body image, but it is social media that has changed how these images are consumed, with younger audiences having access to material, behaviours and opinions at the click of a button.

The strive for the 'perfect body' is not new: it has been around for decades but seems to be highlighted more by the rise of social media. It's a complicated issue with sometimes devastating effects. I don't think body image concerns are ever going to fade away; we all have our insecurities and as we move through different stages of our lives our concerns and insecurities change. In saying that, the teenage years are one of the most difficult times in anyone's life and it's made even harder with the added pressure of social media.

You are born to be real not perfect.

Perfection is not the answer if you aspire to attain inner peace. It will lead you further astray because you strive to change aspects of yourself, you're unhappy with.

Welcome your flaws and realise the wholeness of you.

- **DHIVYASRI P.**

XII – C



3. STRANGE WORLD RECORDS

RECORD	RECORD HOLDER
Most apples held in own mouth and cut by chainsaw in one second	Johnny Strange
Scratchiest skin	Garry Turner
Most piercings in a lifetime	Elaine Davidson
Keeping a table lifted with teeth for longest distance	Georges Christen
Longest metal coil passed through the nose and out of the mouth	Andrew Stanton
Longest fingernails ever on a woman	Lee Redmond
Longest moustache	Ram Singh Chauhan
Fastest 5 meters on front paws by a dog	Konjo
Longest legs	Svetlana Pankratova
Farthest arrow shot using feet	Nancy Siefker
Longest tongue on a dog	Puggy
Largest collection of rubber ducks	Charlotte Lee

- ANUSHMAA.V
XII-A



4. TRUE FRIENDSHIP

At the end of every tunnel,
There is a light somewhere.

It is a light of reason
It is a light of hope

A light to guide us
To the safety from the dark

A light to guide us
To outstretched hands there

These hands of hope
Make us feel the warmth of friendship

Friendship is something everyone needs
Friendship brings a wealth that can't be measured

Without true friendship
Many of us would just shrivel up and die

- SAAIRITHVIK. V
XII-C



5. POSITIVE SELF-TALK - TELL YOURSELF

- This too shall pass
- The time is now
- Everything will work out
- Things will get better
- I am a success material.
- I am lovable
- I am worthy of great things
- The best is yet to come
- I can win
- I will win

- SAAIRITHVIK. V
XII-C

6. PREHISTORIC LIFE

1. Fossil is the remains of plant or animal lived millions of years ago
2. People have found fossils of sea creatures at the top of mountains.
3. First living thing was bacteria which were developed in deep-sea spring or Muddy pool shear volcanoes.
4. First fish had no jaws and they developed over 500 million Years ago new kind of fish develop that had jaw in 425 million years
5. Plants began to grow on land around 475 million years ago
6. Dinosaurs were huge but blue whales are bigger than any of them
7. Dinosaur such as gallimimus may have run up to 60 km an hour 6 meter long and 3.4 metre tall argentinosaurs grew to over 35 Meter long

- SUNIL KUMAR. N. G
XII – C



7. BEN FRANKLIN'S 11 PRINCIPLES OF SUCCESS

- **Temperance:** Eat not dullness; drink not to elevation
- **Silence:** Speak not but what may benefit others or yourself avoid trifling conversation.
- **Order:** Let all your things have their places; let each part of your business has its time.
- **Resolution:** Resolve to perform what you ought; perform without fail what you resolve.
- **Frugality:** Make no expenses but to do well to others or yourself; waste nothing.
- **Industry:** Lose no time; be always employed in something useful; cut off all unnecessary actions.
- **Sincerity:** Use no hurtful deceit; think innocently and justly; and if you speak, speak accordingly.
- **Justice:** Wrong none by doing injuries or omitting the benefits that are your duty.
- **Moderation:** Avoid extremes; forbear resenting injuries so much as you think they deserve.
- **Cleanliness:** Tolerate no uncleanness in body, clothes or habitation.
- **Tranquillity:** Be not disturbed at trifles, or at accidents common or unavoidable.

- SAAIRITHVIK. V

XII - C



8. HOW TO STAY ENERGETIC...!

- Laugh and have fun. Don't be gloomy.
- Walk 25% faster.
- Early to bed, early to rise is healthy and wise.
- Stay lean, being just 30% overweight is bad.
- Keep working, Do something you like.
- Be the boss of your own life.
- Too much medicine ruins your body.
- Exercise and eat less fatty foods.
- Wear the best ornament, SMILE.
- Stop worrying and start living.

- SAAIRITHVIK. V
XII - C

9. FACTS THAT WILL BLOW YOUR MIND

A fact is an occurrence in the real world or a thing that is known or proven to be true. The usual test for a fact is that it should be verified—that is whether it can be demonstrated to correspond to experience. Standard reference, works are often used to check facts. Scientific facts are verified by repeatable careful observation or measurement by experiments or other means.

- Pink and purple lakes of Australia, the uniqueness of the lake is caused by algae and microbes and the water is as salty as the Dead sea
- A single cloud weighs 1.1 million pounds. This is calculated by multiplying water density and volume but the clouds still float because the air below it is heavier than the clouds
- Sunglasses were originally designed for Chinese judges to hide their facial expressions in court.



- Moon bows are similar to rainbows that are produced by the light which is reflected by the surface of the moon. This often occurs in dusk.
- Men and women dream differently. Not all dreams are in colour, you can also have seven to eight dreams a night. In our dreams, we only see faces that we already know.
- Diamond rain falls on Saturn and Jupiter; this is due to the lightning storms which change methane to soot then hardens and get converted to diamond
- Purple is also known as the royal colour because it is the hardest dye to extract and it comes from sea snails.
- World's longest English word takes 3.5 hours to pronounce, the word is 189819 letters long and it is a giant protein called Titin
- Eggshells are being used to grow new human bones because egg shells contain calcium carbonate which is present in human bones.

Generally speaking, facts are independent of belief and of knowledge. Knowing facts actually helps to expand the boundaries of knowledge that an individual possesses and also helps in increasing the curiosity to gain an understanding about new things.

- RAKSHINI V
XII – C

10. STRESS MANAGEMENT

To reveal futility of worries and tensions, let us go through an interesting story. Once, an angel was sent to the earth to study the problems of ordinary people. God asked him to find out a meaningful solution for all these problems. He moved all around the earth and found that many people were carrying heavy loads in sacks. They looked very tired and were unable to move forward in life. The angel realized that it was something that stopped them from leading a normal life on the earth. Many had failed to reach their target just because they did not have the strength carry the load along with them. Finally, the angel decided to free man from it so that he could lead a more joyful and energetic life.

The angel slowly approached a man carrying the heavy sack. Since he was not able to go forward, he was resting under a tree. The angel asked the man, "What are you carrying in this sack?". He looked at the angel painfully and said, "Oh These are my



worries and tensions.” On the request of the angel the man agreed to untie the sack. The angel was eager to see the ‘heavy worries’ the man carried with him. But when the sack was opened it was found completely empty. The man was amazed and astonished to see that the worries that he had been bearing for a long time were not real. He said, “I had two types of worries in this sack- worries of the past and future. But I don’t know where they have gone.”

The angel had a beautiful smile on his face, He said, “Yes, it is true that you had the worries of the past as well as the future. But they were part of your imagination. The worries of yesterday do not exist today, because they are dead and gone. Then, the worries of tomorrow have not yet arrived. Therefore, they too do not exist,” The man was thrilled to know that he was free from the heavy loads. Throwing away the empty sack he advanced further in life with much enthusiasm and vigour.

▪ **SOWMIYA. R**
XI A

11. WHAT ILLNESS YOUR NAIL CAN REVEAL?

1. **HEALTHY NAILS:** The nails are strong; the tips are white and ivory coloured and not flaky.
2. **THIN AND PALE NAILS:** Anaemia or lack of iron in the body.
3. **YELLOWISH NAILS:** Problems with the kidneys or the gastrointestinal tract.
4. **KNOBBLY NAILS:** The body has an infection.
5. **LOTS OF WHITE DOTS AND STREAKS:** A lack of zinc, copper and iodine.
6. **CRUMBLING YELLOW OR BLACK NAILS:** A fungal infection.
7. **BRITTLE NAILS:** A lack of vitamins, calcium, iron and beta- carotene.

What do your eyes say about your health?

1. **REDNESS:** Dry eye syndrome resulting from lengthy use of devices, allergy, chronic tiredness.



2. **BULGING EYES:** Hyperthyroidism: A syndrome caused by Hyperactivity of thyroid.
3. **YELLOW EYES:** Disrupted functioning of the liver, presence of a Neoplasm, problems with the gall bladder.
4. **BLIND SPOTS:** Migraine, insufficient nourishment of the retina, detachment of the retina or haemorrhaging.
5. **DOUBLE VISION, FOGGINESS:** First sign of stroke.
6. **A PERSISTENT STY:** Sebaceous gland CARCINOMA- A slow growing tumour.
7. **BLURRED VISION:** Diabetes, problems with the cardiovascular system, kidney disease.
8. **EYEBROWS FALLING OUT:** A lack of nutrients, Hypothyroidism: A lack of hormones in the thyroid.

▪ **NANDINI. S**
XI- A

12. GURU DAKSHINA

The word GURU DAKSHINA reminds everyone of “Ekalavya”. The guru dakshina he rendered for learning archery by just watching his guru teach other royal kshatriyas. It is said that his guru had promised the parents of the royal kshatriyads that he would teach only their wards the best of archery strokes, which none in the world can win over. And that being the reason did the guru ask Ekalavya the thumb or we could say Ekalavya should not be using his thumb while using bow and arrow, which would mean he can never operate a bow and arrow as it is impossible without a thumb.

Devoted and knowledgeable Ekalavya accepted and followed his guru’s wishes. This explicit two things; One is guru knew that Ekalavya was the best in archery. And the other by exhibiting his best performance, he added wings for him, is the greatest Guru Dakshina rendered till date.

Today’s teacher carries on the pride every time, she sees her student perform well in any field of their choice. This is the greatest guru dakshina every teacher expects.



Let every bud bloom, shine and be a pride not only to their school and their parent, but also to their nation, is what we pray.

- SOWMIYA. R
XI 'A'

13. ARTHRITIS

Inflammation of one or more joints causing pain and stiffness is called Arthritis. There are numerous types of arthritis. The three most common kinds of arthritis are osteoarthritis, rheumatoid arthritis and gout.

OSTEO ARTHRITIS -

This kind of arthritis occurs when the cartilage in between the two bones breaks down. This condition causes the bones to rub together. It usually affects the hip, knee, lower back, hands and wrists. It usually occurs in elderly people.

RHEUMATOID ARTHRITIS -

Rheumatoid arthritis is disorder in which the body's own immune system starts to attack body tissues. In the case of rheumatoid arthritis most damage occurs to the joint lining and cartilage which eventually results in erosion of two opposing bones. It often symmetrically affects joints in the fingers, wrists, knees and elbows. It occurs mostly in people aged 20 and above.

GOUT -

Gout is caused by deposition of uric acid crystals in the joints causing inflammation. In early stages it occurs in one joint, but with time it can occur in many joints. The joints in gout become swollen and lose function.

- **SYMPTOMS** - Pain, Swelling, Reduced range of motion, Stiffness, Restricted movements of joints, Red skin over the affected joints, Weakness, Loss of flexibility, Muscle ache & Tenderness
- **DIAGNOSIS** - It is made by clinical examination from a medical practitioner and is supported by tests such as radiology, blood test and physical examination.



- **TREATMENT** - Treatment includes resting the joint, alternatively applying ice & heat, physical therapy, healthy life style changes, Orthopaedic bracing and Medication. Joint replacement surgery may be required in eroding forms of arthritis. Medication can help to reduce inflammation in the joints which in turn decreases pain. Treatment options varies depending on the types of arthritis.

- **SUDHARSAN. B**
XI - A

14. THE DEEP-SEA CREATURES

The term **deep sea creature** refers to organisms that live below the photic zone of the ocean. These creatures must survive in extremely harsh conditions in the range of hundreds of bars of pressure, small amounts of oxygen, very little food, no sunlight, and extreme cold ambience. Most creatures have to depend on food that manages to reach the depths where they live.

These creatures live in very demanding environments of thousands of meters below the surface. The water is between 3 and 10 degrees Celsius and has low oxygen levels. Due to the depth, the pressure is between 20 and 1,000 bars. Creatures that live even thousands of meters deep in the ocean have adapted to those extreme conditions.



Diving Physiology For Pressure Adaptations

When it comes to deep sea diving, there is an increase in pressure as fish swim down the water column. Most marine mammals give in to and absorb the pressure and by doing so it gains new abilities through evolution. For example, the lungs of deep-sea creatures can be compressed in to a solid organ. As the chest wall compresses, the lungs collapse and the gas in the alveoli is forced into the upper airways, where gas



exchange does not occur. Some other evolutionarily adapted functions are the lack of air sinuses in the skull and a reduction in the internal air space volume of the middle ear. This is to adapt themselves to the ambient pressure. In addition, the vascular lining of the middle ear can expand as pressure goes up

- **PELAGIC FISHES**



Pelagic fish usually have no swim bladder or a swim bladder filled with fat beyond a depth of 1000 meters. The loss of the swim bladder is contributed to saving energy, because it was costly to pump gas into the bladders at great depths of the ocean.

Deep sea creatures also have less muscle and ossified bone. This lack of ossification was adapted to save energy when there isn't an abundance of food in the environment.

Another adaptation deep sea fish evolved to have is an enlarged aortic arch or bulb. This helps absorb a lot of the energy used during systole by the left ventricle. The absorbed pulse is more evenly spread throughout the rest of the cardiac cycle, especially during bradycardia.

Barometric pressure

These animals have to survive the extreme pressure of the sub-photic zones. The pressure increases by about one bar every ten meters. Pressure is measured with pressure transducers with quartz-crystal resonators that have these denser bladders filled with oil. Swim bladders allow the fish to have less muscle and ossified bone. The lack of ossification helps them to save energy since there is a decrease in food as fish swim deeper towards the sea floor.



Hydrostatic Pressure

Hydrostatic pressure in the deep sea comes hand-in-hand with low temperatures, high inorganic nutrients, and low organic carbon content. This is disadvantageous since the deep-sea food web is dependent on particulate organic carbon, which is in the euphotic zone. In addition, metabolic activity decreases with an increase in hydrostatic pressure due to the limits in degrading organic matter sinking through the water column.

Lack of light

The lack of light requires creatures to have special adaptations to find food, avoid predators, and find mates. Most animals have very large eyes with retinas constructed mainly of rods, which increases the eye sensitivity. Many animals have also developed large feelers to replace peripheral vision. In order to reproduce, many of these fish have evolved to be hermaphroditic eliminating the need to find a mate. Many creatures have also developed a very strong sense of smell to detect the chemicals released by mates.

- **Angler Fish**



Bioluminescence

Bioluminescence is the ability of an organism to create light through chemical reactions. Creatures use bioluminescence in many ways: to light their way, attract prey, or seduce a mate. Many underwater animals are bioluminescent. The viper fish to the various species of flash light fish named due to their ability to emit light. Some creatures, such as the angler fish, have a concentration of photophores in a small limb that protrudes from their bodies, which they use as a lure to catch curious fish. Bioluminescence can also confuse enemies. The chemical process of bioluminescence requires at least two chemicals: the light producing chemical called luciferin and the



reaction causing chemical called luciferase. The luciferase catalyses the oxidation of the luciferin causing light and resulting in an inactive oxyluciferin. Fresh luciferin must be brought in through the diet or through internal synthesis.

Chemosynthesis

Since, at such deep levels, there is little to no sunlight, photosynthesis is not a possible means of energy production, leaving some creatures with the quandary of how to produce food for themselves. For the giant tube worm this answer comes in the form of bacteria. These bacteria are capable of chemosynthesis and live inside the giant tube worm, which lives on hydrothermal vents. These vents spew forth very large amounts of chemicals, which these bacteria can transform into energy. These bacteria can also grow free of a host and create mats of bacteria on the sea floor around hydrothermal vents, where they serve as food for other creatures. Bacteria are a key energy source in the food chain. This source of energy creates large populations in areas around hydrothermal vents, which provides scientists with an easy stop for research. Organisms can also use chemosynthesis to attract prey or to attract a mate.

- **Hydrothermal Vent**



Lack of resources

At this depth, there is not enough light for photosynthesis to occur and not enough oxygen to support animals with a high metabolism. To survive, creatures have slower metabolisms which require less oxygen. They can live for long periods without food. Most food either comes from organic material that falls from above or from eating other creatures that have derived their food through the process of chemosynthesis. Because



of the sparse distributions of creatures, there is always at least some oxygen and food. Also, instead of using energy to search for food, these creatures use particular adaptations to ambush prey. In turn, these creatures rely on large food particles, such as fragments of dead fish or other marine mammals, to fall from the surface. Although the falling food can support the population of the deep-sea creatures, there can still be a lack of resources due to a middle population of fish consuming the fragments before making it to the bottom.

- **Deep Sea Fish Eating the Food from The Surface**



- JAYA VARSHINI
XI – A

15. 10 COMMON ERRORS WE MAKE IN EVERYDAY

INDIA has the second highest number of English speakers but it is still a foreign language and the common mistakes we make prove it! Fix these 10 mistakes and go closer to becoming a flawless English Speaker.

Writing and speaking in English as non-native speaker has its own set of problems. Grammatical errors come in many forms and can easily confuse and obscure meaning. Some common errors are with prepositions most importantly, subject verb, tense, punctuation, spellings and other parts of speech.

Prepositions are tricky, confusing and significant in sentence construction.

Here are 10 English grammar mistakes Indians commonly make:

1. Incorrect: Myself I am Suresh.

Correct: I am Suresh.



While introducing oneself, it is usually observed that the users mix up both the possessive pronoun “myself” and the subject pronoun “I”.

2. Incorrect: I am having four brothers and three sisters.

Correct: I have four brothers and three sisters.

Present continuous tense cannot be used for pragmatic situations such as this. Simple present tense should be used.

3. Incorrect: He do not have a laptop.

Correct: He does not have a laptop.

Do not should not be used after the subject pronoun (He, She, It).

4. Incorrect: Does she has a car?

Correct: Does she have a car?

The helping verb does is used at the beginning and the main verb have denotes possession or ownership.

5. Incorrect:(Question) “Today office is there?” (Answer)” No office is there. Today is Bharat bandh.

Correct: (Question) “Is today a working day?” (Answer) “Yes we are working or we are not working today”.

6. Incorrect: That only, she is very arrogant.

Correct: That was what I said. She is very arrogant.

Saying “That only” was the wrong way to emphasize what the speaker has already said.

7. Incorrect: Last before year she got very good marks.

Correct: Year before last she got good marks.

Phrases that can be used: Month before last, Day before last, Week before last.

8. Incorrect: He did not wrote the test last week.

Correct: He did not write the test last week.



The helping verb “did” is followed by the present tense form.

9. Incorrect: I cannot cope up with this pressure.

Correct: I cannot cope with this pressure.

The meaning of the verb” cope” is to manage, cope is followed by the preposition “with” and never followed by “up”. Even professionals commit this error.

10. Incorrect: He has white hairs.

Correct: He has grey hair.

All the hair on one’s head is considered uncountable and so, “hairs” is almost always incorrect.

- SOWMIYA. R

XI A

16. BIOLOGICAL CLOCK OF HUMAN BODY

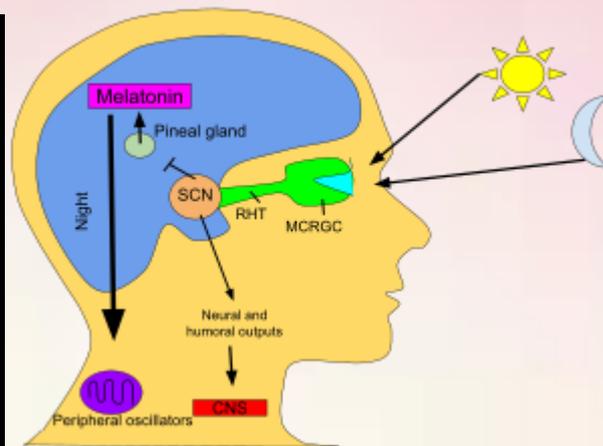
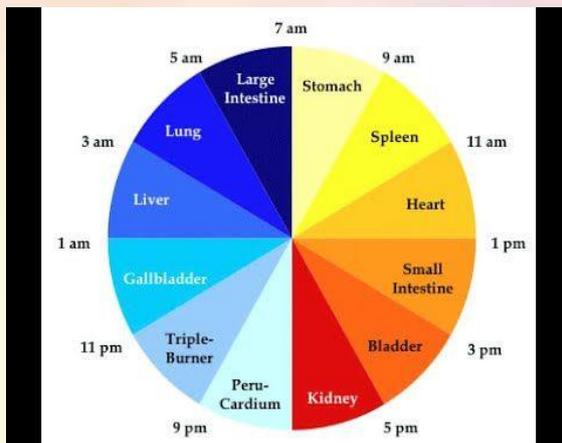
Introduction

We eat when we are hungry, we sleep when we are tired, we drink when we are thirsty etc...not when we decide to do but when the biological clock inside us tells us to. It is not only our physical behaviours that are directed by this tyrannical timekeeper. Our moods and emotions also swing in time to a daily rhythm. Humans have broken their links with nature. Deprived of time cues, our rhythms slowly drift out of alignment with the outside world. Nearly every tissue and organ contain biological clocks.

The circadian rhythm

The circadian rhythm also known as “biological clock” regulates every necessary function in our body. The function of these biological clock is controlled by the Suprachiasmatic Nucleus (SCN), a group of cells located in the left and right in the hypothalamus that respond to light and dark signals. The neurons of these two nuclei are among the smallest in the brain. From the optic nerve of the eye, the light travels to SCN, signalling the internal clock that it is time to awake or sleep. The pineal gland produces melatonin, a serotonin-derived hormone which modulates sleep patterns in both circadian and seasonal cycles.





Our organs have separate time for their functioning and rest. The SCN contains about 20,000 nerve cells in which each of them acts as a biological clock. Thus, we don't need an alarm clock to wake up. Our biological clock does it.

- HEMADARSHINI R S

XI – A

17. 21 FUN FACTS ABOUT THE BRAIN

1. Signs of successful brain surgeries go as far back as the STONE AGE.
2. An adult brain weighs about 3 pounds.
3. About 75 percent of the brain is made up of water. This means that DEHYDRATION, even in small amounts, can have a negative effect on the brain functions.
4. The largest brain of any animal is that of the sperm whale. It weighs about 20 pounds.
5. The human brain will grow three times its size in the first year of the life. It continues to grow until you are about 18 years old.
6. Headaches are caused by a chemical reaction in your brain combined with the muscles and nerves of your neck and head.
7. The brain of a human contains approximately one hundred billion neurons.
8. It is a myth that humans only use 10 percent of our brain. We actually use all of it. We are even using more than 10 percent when we sleep.



9. Cholesterol is key to learning and memory. However, high cholesterol has different effects depending on your age and other facts.

10. Information runs between neurons in your brain for everything we see, think, or do. These neurons move information at different speeds. The fastest speed for information at different speeds. The fastest speed for information to pass between neurons is about 250mph.

11. Dreams are believed to be a combination of imagination, psychological factors, and neurological factors. They prove that brain is working when you are sleeping.

12. Phantom limb pain syndrome is when the central nervous system, which includes your brain, continues to feel the pain of a limb that has been amputated.

13. The brain cannot feel pain. It interprets pain signals sent to it, but it does not feel pain.

14. A brain freeze is really a sphenopalatine ganglioneuralgia. It happens when something you eat or drink something that is cold. It chills the blood vessels and arteries in the very back of the throat, including the ones that take blood to your brain. These constrict when they are cold and open back up with, they are warm again, causing the pain in your forehead.

15. The human brain begins to lose some memory abilities as some memory abilities as well as some cognitive skills by your late 20s

16. The human brain gets smaller as we get older. This usually happens some after middle age.

17. During the mummification process, Egyptians would usually remove the brains through the nose.

18. Alcohol affects your brain in ways that include blurred vision, slurred speaking, an unsteady walk and more. These usually disappear once you become sober again. However, if you drink often for long periods of time, there is evidence that alcohol can affect your brain permanently and not reverse once you become sober again. Long term effects include memory issues and some reduced cognitive function.



19. Eyewitness accounts of criminal suspects are usually only 50 percent accurate because it is difficult for your brain to remember the details of someone you are not familiar with. Traumatic events can also affect the brain's ability to remember details.

20. Computer or video games may help improve cognitive abilities. However more studies must be conducted to learn how much they help or what types of games help.

21. Your brain uses 20 percent of the oxygen and blood in your body.

- **SOWMIYA. R**

XI – A

18. 9 WAYS YOUR MOBILE PHONE AFFECTS YOUR BODY AND MIND

Mobile phones have Janus-faced nature. Although being a boon they play awful effects in humans.

1. Usage of phones before going to bed can disturb our biological clock by inhibiting the production of melatonin which plays a crucial role in making us sleep and awake. To avoid this, make a habit of not using your phone at least 30 minutes before you close your eyes.
2. A new notification on your phone can weaken your ability to focus on a task, says researchers at Florida State University, USA. Switching your phone to 'do not disturb' mode can help remove the distraction.
3. When feeling bored, try not to take your phone. That said, "when you're bored, your four different areas of your brain activate and work together to pull in random thoughts and combine them in unique ways", says psychologist Larry Rosen, author of The Distracted Mind.
4. The S.B.B. College of Physiotherapy, found that the more time people spent on their phones the more likely they were to suffer from 'text necks'-discomfort and 'SMS thumbs'-pain and soreness due to repetitive thumb movements.
5. Mobile phones have germs-10 times what you would find on most toilets, says university of Arizona, USA, microbiologist Charles Gebra. Wipe your phone down daily with a gadget friendly antibacterial wipe or a microfiber cloth.



6. While talking in phones for long time try using earbuds or a headset so as to minimize the exposure to radiation.
7. Instead of following GPS's step by step navigation instructions, consulting a map and trying to remember it helps to increase the activity of hippocampus, a part of the brain important for memory that said Researchers.
8. On a test after a visit to an art museum, students were less likely to remember objects that had taken photos of. "As soon as you hit 'click' on that camera, it's as if you've outsourced your memory" says psychologist Linda Henkel.
9. And there's a tip to prevent eye strain, i.e., try blinking often, increasing font size and taking a break from screens every 20 minutes. Although following all these tips with complete restriction is not possible, why don't we try to come out with a small change by trying to follow some of these simple tips.

"LITTLE DROPS OF WATER MAKE THE MIGHTY OCEAN"

- HEMADARSHINI R S,
XI - A

19. LIFE LESSONS FROM MAHATMA GANDHI

- Never betray your true self.
- It's the quality of your life that matters not with the speed of which you live.
- Never lose faith in humanity.
- Forgiveness is not a weakness but a strength.
- Always do the right thing even nobody is watching.
- Be the change you want to see in this world.
- When you stand with your two feet on the ground, you will always keep your balance.
- Live each day as if we're your last.

- NANDINI.S
XI - A



20. TIME TO WORK

Say yes to new adventures, Be a greatest dreamer. On certain days you don't wish to talk, you just sit and stare observe the people, imagining unrealistic situation.

Even the darkest night will end and the Sun will rise again.

The strangers we meet are just like shadows, they disappear when it gets dark.

Looking back on the wasted time, your stolen innocence, your stolen youth will never change the truth. So, the work you do will make you feel living that one spark of mortifying eternity a million times over.

- PRANA VIKA. K. J

X – A

21. MAGIC OF THOUGHTS

There is an invisible world in the Cross roads of your thoughts, which is made of all decisions you never dated to take and all the projects that you have parked in front of a red light.

When you close your eyes and listen to these thoughts, the world becomes an orchestra. And Melody sings. Make your life a fantastic dream where you can live with your eyes open...

- PRANA VIKA. K. J

X – A

22. ECSTASY OF LIFE

Close your eyes; take in the wind

They lied when they said slowing down is a sin

Make the sunrays your pen a begin with making a list

Of all things you think impossible, because they aren't if you persist

Your ink is made of during neurons, the more fire the more they wire



For every anxious moment just think three positive stuff

And you'll be completely fine. Feel the fire inside you

It may dark inside the jelly brains of yours,

but trust me your life will be the best

If the lessons aren't right that's just an ink

AND YOU ARE THE WRITER...

- PRANAVIKA. K. J

X – A

23. PREFIXES HETERO-

1. **HETEROAUXIN** – A biochemical term that refers to a kind of growth hormone that is found in plants. E.g., INDOLE ACETIC ACID
2. **HETEROCELLULAR** – referring to a structure that is formed of different kinds of cells.
3. **HETEROCHROMATIN**-A mass of condensed genetic material composed of DNA, and proteins in chromosomes that have little gene activity. Heterochromatin Stains more darkly with dyes than another chromatin. E.g., EUROCHROMATIN
4. **HETEROCHROMIA** – A condition that results in an organism having eyes with irises that are two different colours.
5. **HETEROCYST** – A cyanobacterial cell that has differentiated to carry out nitrogen fixation.
6. **HETERODUPLEX** – refers to a double stranded molecule of DNA where the two strands are non-complementary.
7. **HETEROGAMETIC** – capable of producing gametes that contain one of two types of sex chromosomes.

For example, male produces sperm that contains either an X sex chromosome or Y sex chromosome.



8. **HETEROGAMY** – refers to a plant with different types of Flowers.
9. **HETEROGENOUS** – having an origin outside of an organism, as in the transplant of an organ or tissue from one individual to another.
10. **HETEROGRAFT** – a tissue graft that was obtained from a different species from the organism that received the graft.
11. **HETEROKARYON** – cell that contains two or more nuclei that are genetically different.
12. **HETEROKINESIS** – the movement and differential distributions of sex chromosomes during meiosis.
13. **HETEROLOGOUS** – structures that are different in size, function or type.
14. **HETEROLYSIS** – dissolution or destruction of cells from one species by the lytic agent from a different species.
15. **HETEROMORPHIC** –refers to having different forms at different periods in a life cycle.
16. **HETERONOMOUS** – a biological term that refers to the parts of an organism that differ in their development or structure.
17. **HETEROPHYLLOUS** – refers to a plant that has dissimilar leaves.
18. **HETEROPLASMY** – the presence of mitochondria within a cell or organism that contains DNA from different sources.
19. **HETEROPLOID** – having an abnormal chromosome number differing from the normal diploid number of species.
20. **HETEROPSIA** - an abnormal condition in which a person has a different vision in each eye.
21. **HETEROSPOROUS** – producing two different types of spores that develop into male and female gametophytes, as into male microspore (pollen grain) and female megaspore (embryo sac) in flowering plants.
22. **HETEROTHALLIC** – A type of cross- fertilization reproduction that is used by some species of fungi and algae.



23. **HETEROTROPH** – Heterotrophs cannot obtain energy and produce nutrients directly from sunlight as do autotrophs. They must obtain energy and nutrition from the foods they eat.
24. **HETEROZYGOSIS** – related to the formation of a heterozygote.
25. **HETEROZYGOUS** – having two different alleles for a given trait.

- **SREE LAKSHMI. A. G**
X – A

24. AMUSING RIDDLE

1. I have cities but no houses, forests but no trees, water but no fish. What am I?
2. Two fathers and two sons are in a car, yet there are only three people in the car. How is this possible?
3. I turn once, what is out will not get in. I turn again, what is in will not get out. What am I?
4. A man looks at a painting in a museum and says, "Brothers and sisters I have none, but that man's father is my father's son." Who is in the painting?
5. What English word retains the same pronunciation, even after you take away four of its five letters?
6. My first is often at the front door. My second is found in the cereal family. My third is what most people want. My whole is one of the United States. What am I? (mat rye money). Which is certainly a "united states"
7. What is significant about 3661 seconds past midnight on 1st January 2001?
8. Which word does not belong in the following list: Stop cop mop chop prop shop or crop?
9. You are my brother, but I am not your brother.
10. A seven-letter word containing thousands of letters



ANSWERS

- 1) A map 2) They are grandfather, father, and son 3) A key
4) The man's son 5) Queue 6) matrimony
7) The time and date will be 01:01:01 on 01/01/01 8) OR
9) I am your sister 10) Mailbox

- **PRATHIKSHA A.**
IX - A

25. HOW TO START A SPEECH

- Instead of saying Good morning and start a speech we can start it with a quote or asking a question which is a unique feature while speaking.
- The concept should be interesting to the person who is hearing that.
- If the duration is two minutes you should stick to the time limit and do not extend it.
- Body language, boldness in speaking, Clarity in Content and eye contact are very important while speaking.

- **SUBHALAKSHMI**
IX - B

26. STUDY TIPS

1. Get enough sleep, so that your brain can consolidate new knowledge
2. Set aside a regular time and place to study.
3. Break study time into small chunks, space the portions over multiple days.
4. Concentrate! Cut out distractions. Take a short break now and then.
5. Know your body, study when you are at your most alert.
6. In maths and science, the first step is to understand the problem, what is given and what is wanted?
7. Turn headings into questions and read paragraph by paragraph for comprehension.
8. Get additional information from outside sources, other books, magazines, people etc.



9. Set goals and start working on it.

**“SUCCESS DOES NOT COME FROM,
WHAT YOU DO OCCASTIONALLY,
IT COMES FROM,
WHAT YOU DO CONSISTENTLY”.**

**- AYISHA SIDDIKA. S
VIII A**

27. ANIMAL COMMUNICATION

1. What is animal communication?

Ans: It is the transfer of information from one or a group of animals using signal which can be visual, auditory, tactile and chemical.

2. What is the ability to talk to animals called?

Ans: Telepathy is the universal language and the way that all animals speak to each other. It is also possible to contact animals that deceased. Animal telepathy is mind-to-mind communication.

3. What animals can communicate with humans?

Ans: Chimpanzees, bonobos, gorillas and orang-utans can communicate using sign language with humans.

4. What animals communicate by touch?

Ans: Tactile communication, or touch, is an important form of communication for many animals. Mother tigers lick and nuzzle their babies, chimpanzees groom each other, and bear cubs wrestle with each other. Touch is used to comfort, to establish dominance and to establish bonds.

5. How does elephant show affection to humans?



Ans: Elephants use their trunks much like people use their hands, and the ends of their trunks are more sensitive than human fingertips. Elephants stroke or caress each other's heads and backs with their trunks to console or comfort their loved ones.

- SHIVANISREE M

VIII – A

28. *INTELLECT'S* *DEFEATISM* *AND* *PRAGMATISM*

An artist once came to the king who was a great admirer of art and said, "Oh! King" if u give me a blank wall in your palace, I can create a spectacular painting on it". Just then, another young man who was present there said to the king, "your majesty "Please allow me to work on the opposite wall as well. I am an artist too". The king asked the young man, "And what would you like to make?" The man said " I shall make an exact replica of the painting that the artist makes on the wall opposite to mine and I shall do so without even looking at his work I would request you to place a thick curtain between the two walls so that neither of us can see other's work and also have guards to make sure that there is no cheating." Everyone in the court including the king was intrigued and the king decided to give both the artists the opportunity to manifest their knack. The following day a thick curtain was put in place and started their work. The first artist brought paints, oils and brushes that he worked with. The second one worked simply with a cloth and a pail of water. After a month the first artist told the king that his work had ended and when the king asked the second artist when his work would be completed. The young man replied that he had done too. The king approached the palace and went on to see the first artist's wall. He was stunned by the eye-catching painting and gave the artist a hefty sum as a reward. He then asked for the curtain to be opened up to see if the second artist had met up with the challenge of creating the exact same painting without seeing it. The curtain opened and behold on the opposite wall was the exact replica. Every single line, every single colour, every minor detail was exactly as it was on the first wall. The king rewarded him with the double the amount of money but being amused the king wanted to know his secret the young artist replied "it was very simple majesty! I just polished the marble wall every day until it shown like a mirror to reflect the painting on the opposite wall.



People often say that they lack confidence and they don't think about their talent and lack motivation. Hard work is cleaning the wall of your mind in a way that is hidden deep within you, your talent, your positivity, your confidence, and your goodness, is reflected in your mind and in your actions. Don't say that the soul knows to heal itself? The challenge is to silence the mind and one of the ways to silence is the minds negative chatter is to neglect it. Absorb mind in positive energy. Reading, hearing and watching good stuff. Hanging out with positive people and then as the mind gets cleansed and the beautiful painting in you will get reflected on it.

STAY* *POSITIVE

BE* *POSITIVE

- SHIVANISREE M
VIII – A

29. A MAIL TO MISSILE MAN

From

G.B Rethish XII C

D.A.V MHSS

14th November 2020

To

Dr. APJ Abdul Kalam sir (The honourable ex-President of India)

Dr. APJ Abdul Kalam memorial,

Rameshwaram-dhanush kodi road, Rameshwaram,

Tamil Nadu 623526

Respected Sir,

Subject: Regarding the ways you inspired me

Across the world many countries have seen Iron Man only in those marvel movies but luckily, we Indians were blessed to have one in our own Motherland. Your path from a southern coastal town Rameshwaram to Rashtrapati Bhavan was epic and that inspired us. I'm honoured you spent time to go through the entire letter to see the ways you inspired me.



In every way, be it politics or science or humanities you were India's crown jewel. Moreover, that's how you envisioned us to be. The powerful youngsters, that's what we Indian youth were meant to be in your dreams. Though you were born in 1931 you never failed to acknowledge the minds of everyone even including the young budding generations. Being a boy from southern coastal town, affected by cyclones and tsunami, without adequate source of knowledge you still managed to be at the limelight and that's what made this world remember your name sir.

2020, the year your vision where India becomes a superpower was washed out by this completely unexpected pandemic COVID-19. I'm very sure as per your wish, India would see many youngsters leading it forward in all fields. I'm sending you this letter on the children's day of 2020 promising that we Indian youngsters would accomplish the dream of our hero who taught us all how to dream.

Your ideas, your thoughts and your books never failed to inspire and motivate the youth of our nation. In the population of 7.5 billion you have been the burning sun as you stated and you will always be remembered in our warm energetic hearts

Yours Faithfully **RETHISH. G. B**

XII - C

30. FRIENDSHIP

Rose is with love **and**

My heart is so,

Sugar is sweet and

You are so,

If you are not there

I need to go,

So please come with me

Till my last breath.

- ASVIKA. K. J

VII - C

31. AIR

Air for breeze

Air for breathing

Air for growth

Air for transportation

Air for climate

Air for stopping harmful rays

And air for warmth

- KARTHIK BABU. S

VII - C



32. RIDDLES

1. What can run never walks?
2. What is white when it's dirty?
3. What can't talk but will reply when spoken to?
4. What can you catch, but not throw?
5. What has a head and a tail but no body?
6. What can you break, even if you never pick it up or touch it?
7. I have branches, but no fruit, trunk or leaves. What am I?
8. I follow you all the time and copy your every move, but you can't touch me or catch me. What am I?
9. What goes up and down but doesn't move?
10. The more you take, the more you leave behind. What am I?
11. I am full of holes but I can still hold water. What am I?
12. People buy me to eat, but never eat me. What am I?

Answers:

- | | | | | | |
|----------|---------------|--------------|---------------|------------|------------|
| 1. River | 2. Blackboard | 3. Echo | 4. Cold | 5. Coin | 6. Promise |
| 7. Bank | 8. Shadow | 9. Staircase | 10. Footsteps | 11. Sponge | 12. Plate |

- AMRUTH VISWA
VII A

33. BRIGHT SIDE OF COVID 19

As we all knew that world has seen the worst part of life in 2020 during the COVID-19, with many families getting affected due to Pandemic situation some of them have lost their beloved ones, many of them have lost their jobs and more over it had



brought in economic destruction in many countries. Thus, made the world to see a Massive MahaPralayam as they say it in Hindu Mythology.

How many of you had seen the Brighter side of COVID-19 rather the good things during Covid 19? This Pandemic has paved the way for lot of good things, let's start our journey

Parental love : With many parents being career oriented there were many kids who have missed their parents for long time since they hardly spend time with their kids .This was the time when the lock down was announced and Parents have started to work from home and this made the kids see their parents at home for many months and they have spent quality time with their kids .Playing, sharing stories ,eating together and also laughing together as one family .**DAYS THAT WERE THE MOST MEMORABLE ONES.**

Fit and Healthy diet: Many of them realised the importance of health and the strength of homely and natural food. This covid'19 has taught each one of us a lesson that healthy food is just enough to lead a healthy life rather than eating to die. Many have started their walking in the morning as a habit. Is it not a change of life?

Social Bonding: This pandemic developed a social bonding among human beings. Every one cared for their family members, Friends and neighbours. Each one cared for the others and showed interest in their well-being. In some cases, people came forward to help the home quarantined family by providing basic amenities. Proving that man is a social animal we can't live alone!

Real Heroes came out: This pandemic showed the real heroes of the society and started honouring the set of people who had taken risk to save others life. Doctors, Nurses, Policemen and all Public Departments involved in cleaning of the society. The nation salutes at their incomparable services and support they had rendered to the society. Marked their names in Historical event.

Now I leave it to you all to think and add more brighter side of covid '19 and I am sure that you will agree that this has built in trust in the society that love never fades no matter whatever changes around them.

- **MayishaNayaa**

VI 'C'



34. INTERESTING FACTS ABOUT BIOLOGY

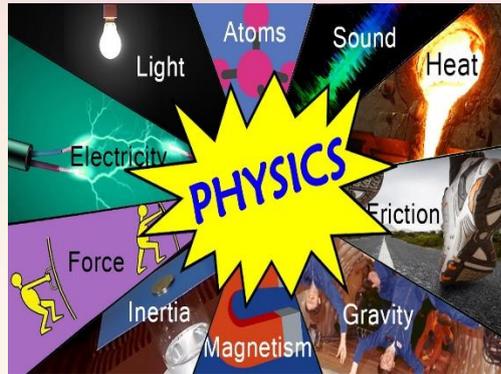
1. Our bone marrow produces 260 billion red blood cells and 135 billion white blood cells per day.
2. Have you ever wondered that when you go to a doctor, why he checks your tongue with a torch at the first instance? The reason is, our tongue acts as a mirror of our health. Certain diseases have the tendency to change the colour of your tongue.
3. Thirst not only occurs when the body loses a lot of fluids but also occurs due to increased levels of salt in the blood. So, the salt binds with water.
4. The relation between your thumb and your nose is - the length of your thumb is equal to the length of your nose.
5. Do you know, the power generated by our brain is enough to illuminate a bulb? Yes, it is at the time when we're awake.
6. The world's largest flower is *Rafflesia Arnoldii* and the smallest flower is *Wolffia*.
7. In seahorses, the male gives birth to a young one.
8. Human life expectancy would increase by 9.78 years if all the major cardiovascular diseases were eliminated.
9. Taste buds cannot be seen with naked eyes, the little bumps that are there on a human tongue are papillae; the rest on top are taste buds.
10. The ostrich egg is the biggest in the world. It equals to the volume of as much as 30 chicken eggs.

- **KEERTHANA. G. S**

XI - A



35. INTERESTING FACTS ON PHENOMENAL PHYSICS



- Light from the Earth takes just 1.225 seconds to reach the moon.
- Dead people float because of gas present in their body.
- If you travel faster than the light, you will age less.
- Sound creates heat. So, you can yell at your soup to warm it.
- Inertia protects you from falling from a rollercoaster.
- The Eiffel Tower is taller in summer than winter. This is because of thermal expansion since the extra heat causes the metal to expand in summer.
- You cannot burp in space because there is no gravity in space to separate liquid and gases.
- If you put the planet Saturn in water it would float.
- The sky is blue because the molecules in the air scatter the blue light more than other colours.
- Lightning can reach temperature 5 times that of the surface of the Sun.
- If you cry in space the tears just stick on your face.
- Water tension hold sandcastles together.

- **KEERTHANA. G. S**
XI-A

36. THE SCIENCE OF MIND

"You can make a heaven out of hell and hell out of heaven. It is all in the mind." - John Milton

Apropos to John Milton's saying, the ability to respond to a situation depends upon the internal self, not the external opulence. We tend to forget the gap between the external environment and the internal self. Response to stimuli depends



on our thinking. We often worry because we are pre-programmed to respond, but this can be changed by constant practice. Force without momentum and vice versa is unimaginable. Likewise, we should take those troubles to be the force for our result. The happiness of oneself depends solely on one's decision, not the environment. Howard Hughes had isolated himself until his death due to his obsession over cleaning himself from germs. A person can live a prosperous existence without materialistic things. A great example of the above one is Sindhutai Sapkal, known as the mother of orphans. She lives with the orphans happily despite her hardships faced in her childhood. The first known Jagad guru has said that he who controls his mind can rule this world. We often forget that the mind is a good slave if controlled and a bad master if left without control. Even if someone insults us, it is within us to analyse our mistakes or mourn for them.

The ability to control our mind is difficult but not impossible, as Lord Krishna emphasised in Bhagavad Gita. Controlling our mind needs practice and perseverance. By following a sattvic diet, meditation, and yoga, one can control his or her mind. Optimism depends solely on the mind, which would take us to great heights. Mind control is necessary to attain bliss. In crucial moments optimistic people can show more productivity than pessimistic people. The ability to endeavour leads oneself to a joyous life. We cannot change the experience that we face in the world but can change how we perceive it. Emotional breakdown and other mental trouble originate due to an uncontrolled mind. Anyone can destroy your self-esteem if you do not control the mind. Peace of mind is the ecstatic thing in this world. As Lao Tze says, "If you control your mind, the rest of your life will fall into its place."

“The mind is everything. What you think you become.”

-Buddha

- RITHIKA S

X A



37. 5 QUICK SCIENCE FACTS THAT WILL BLOW YOUR MIND

1. There is enough DNA in the average person's body to stretch from the sun to Pluto and back — 17 times.
2. The average human body carries ten times more bacterial cells than human cells.
3. At over 2,000 kilometres long, The Great Barrier Reef is the largest living structure on Earth.
4. Grasshoppers have ears in their bellies.
5. An individual blood cell takes about 60 seconds to make a complete circuit of the body.

- **RISHIKANTH S**
IX A

38. BERMUDA TRIANGLE

The Bermuda Triangle is a region in the western part of the North Atlantic Ocean in which ships, planes, and people are alleged to have mysteriously vanished. It also has a name 'Devil's triangle' because of its mysteries.

For decades, the Atlantic Ocean's fabled Bermuda Triangle has captured the human imagination with unexplained disappearances of ships, planes, and people.

Some speculate that unknown and mysterious forces account for the unexplained disappearances, such as extra-terrestrials capturing humans for study; the influence of the lost continent of Atlantis; vortices that suck objects into other dimensions; and other whimsical ideas. Some explanations are more grounded in science, if not in evidence. These include oceanic flatulence (methane gas erupting from ocean sediments) and disruptions in geomagnetic lines of flux.

Environmental considerations could explain many, if not most, of the disappearances. The majority of Atlantic tropical storms and hurricanes pass through the Bermuda Triangle, and in the days prior to improved weather forecasting, these dangerous storms claimed many ships. Also, the Gulf Stream can cause rapid, sometimes violent, changes in weather. Additionally, the large number of islands in the



Caribbean Sea creates many areas of shallow water that can be treacherous to ship navigation. And there is some evidence to suggest that the Bermuda Triangle is a place where a “magnetic” compass sometimes points towards “true” north, as opposed to “magnetic” north.

The U.S. Navy and U.S. Coast Guard contend that there are no supernatural explanations for disasters at sea. Their experience suggests that the combined forces of nature and human fallibility outdo even the most incredulous science fiction. They add that no official maps exist that delineate the boundaries of the Bermuda Triangle. The U. S. Board of Geographic Names does not recognize the Bermuda Triangle as an official name and does not maintain an official file on the area.

The ocean has always been a mysterious place to humans, and when foul weather or poor navigation is involved, it can be a very deadly place. This is true all over the world. There is no evidence that mysterious disappearances occur with any greater frequency in the Bermuda Triangle than in any other large, well-travelled area of the ocean.

– **HITTESH.V**
V A

39. DISSOCIATIVE IDENTITY DISORDER

It is one of the most fascinating yet trivial psychological disorders. We will see the cause-effect symptoms treatment and some amazing facts about it.

Causes

- It is the aftermath of a trauma, which involves a painful past.
- Physical, mental, and emotional abuse can lead to DID.
- An early loss, natural disaster, isolation from the world, accidents, war, and abuse lead to the disorder.
- To refrain from their suffering, they tend to think someone is experiencing that event.



- Dissociation acts as a defense mechanism that easily maintains a person's healthy life and socializes with the world.

Symptoms

- Stress or a remainder of trauma facilitates the altered personality to take over the control.
- The alter-personality will have different opinions, allergy, past, and experiences compared to the core personality.
- The person will be amnesic and tend to wake up in a different atmosphere due to an altered personality.
- It creates chaotic personal experience as the alter personalities have different interests.
- Anxiety, sleeping disturbance, difficulty in recognizing people, depression, mood swings are the other symptoms.

Effects

- Headaches, hallucinations, and feeling disconnected from one's self are the effects.
- Substance abuse and suicidal emotion can occur due to the condition.
- The disorder can also enable a person to succeed in his life in certain aspects.

Treatment

- Psychotherapy and medication are the prime treatment. Medication will be for antidepressants, anti-anxiety medications, or antipsychotics.
- Psychotherapy can make the person talk more about the trauma and be independent in coping with emotions.

Amazing facts

- Billy Milligan, who had 24 personalities, was excused for his charges due to his alter personalities.
- Even if the person escapes from insanity, this is the worst nightmare in one's life.



- Another name for this disorder is multiple personality disorder.
- It can be chronic or temporary.

- RITHIKA S
X A

40. INTERESTING FACTS

1. Every night in Vaadhoo, Maldives... The beaches and waves glow bright blue. This phenomenon has been called the “sea of stars” due to its glowing blue waves.
2. The line that separates day and night is called “TERMINATOR”.
3. In Barrow Alaska, sun sets on November 18 and rises on January 23. Between this period there is a total Darkness for 67 days.
4. Scientist have found further evidence that dolphins call each other by “NAME”. Researchers from the ST Andrews discovered that they use a unique whistle to identify each other. It is thought to be the first time this kind of behaviour has been seen in an animal.
5. An OCTOPUS will eat its own arm if it gets really hungry.
6. There is a road in France that can only be used twice a day for few hours. Then it disappears under 13 feet of water level due to high tide.
7. World’s smallest poisonous frog is less than a centimetre long and its skin is 200 times more toxic than morphine.
8. On Friday, April 13th in 2029, an asteroid more than 1000 feet wide will pass by earth closer than moon and will easily be observed with the naked eyes.
9. We all believed that the sun is yellowish orange in colour. But that is not true. Sun is actually white. The yellowish orange colour appears due to short wavelength colours get scattered by the Earth’s atmosphere.
10. If two pieces of the same type of metal touch in space, they will bond and be permanently “COLD WELDING”

- AYISHA SIDDHIKA. S
VIII A



41. HISTORY OF ZERO

The first evidence we have of zero is from the Sumerian culture in Mesopotamia, around 5,000 years ago. A slanted double wedge was inserted between cuneiform symbols indicating numbers to indicate the absence of a number in a place (as we would write 102, the '0' indicating no digit in the tens column).

TIMELINE shows the development of zero throughout the world. The first recorded zero appeared in Mesopotamia around 3 B.C. The Mayans invented it independently circa 4 A.D. It was later devised in India in the mid-fifth century, spread to Cambodia near the end of the seventh century, and into China and the Islamic countries at the end of the eighth. Zero reached western Europe only in the 12th century.

WRITTEN NUMERICAL DIALECT:

- The Babylonians displayed zero with two angled wedges (middle)
- The Mayans used an eyelike character (top left) to denote zero.
- The Chinese started writing the open circle we now use for zero.
- The Hindus depicted zero as a dot.

The symbol changed over time as zero was crucial for positional notation. It made its way to the Babylonian empire and from there to India, via the Greeks in which zero made a late and only occasional appearance. The Romans had no trace of it at all. Arab merchants brought the zero they found in India to the west. After many adventures and much opposition, the symbol we use was accepted and the concept flourished as it took on much more than a positional meaning. Since then, it has played a vital role in mathematizing the world.

The mathematical zero and the philosophical notion of nothingness are related but are not the same. Nothingness played an important role very early in India. They were called Sunya and we can find its speculation in virtually all cosmological myths about what must have preceded the world's creation. It was also specified in the Bible's book of Genesis (1:2): "And the earth was without form, and void".

But our inability to conceive such a concept of void is well captured in the book of Job, who cannot reply when God asks him (Job 38:4); "Where wast thou when I laid the



1. If you multiply 6 by an even number, the answer will end with the same digit. The number in the tens place will be half of the number in the ones place.

- Example: $6 \times 4 = 24$

THE ANSWER IS 2:

1. Think of a number.
2. Multiply it by 3.
3. Add 6 and divide this number by 3.
4. Subtract the number from step 1 from the answer in step 4.

- $22 \times 3 = 66$
 - $66 + 6 = 72$
 - $72 / 3 = 24$
 - $24 - 22 = 2$.
- Six is the smallest perfect number.
 - Zero is an even number.
 - Different cultures discovered zero at different period.
 - One is neither prime nor composite.

DIVISIBILITY RULES:

- Divisible by 2 if the last number is even.
- Divisible by 3 if the sum of the numbers is divisible by 3.
- Divisible by 4 if the last two digits are divisible by 4.
- Divisible by 5 if the last digit is 0 or 5.
- Divisible by 6 if it passes the rules for both 2 and 3.
- Divisible by 9 if the sum of the digits is divisible by 9.
- Divisible by 10 if the number ends in 0.
- Divisible by 12 if the rules for divisibility by 3 and 4 apply.

- **KEERTHANA. G. S**
XI – A



43. INTERESTING FACTS ON MATHEMATICS

1. Zero (0) is the only number which cannot be represented by Roman numerals.
2. What comes after a million, billion and trillion? A quadrillion, quintillion, sextillion, septillion, octillion, nonillion, decillion and undecillion
3. Among all shapes with the same perimeter a circle has the largest area.
4. From 0 to 1,000, the letter "A" only appears in 1,000 ("one thousand").
5. Do you know the magic of number nine? Multiply any number with nine (9) and then sum all individual digits of the product. The result would always be nine.
6. If you add up the numbers 1-100 consecutively (1+2+3+4+5...) the total is 5050.
7. The number 2 is the smallest prime number. It is also the only even prime number. The digit 1 is considered to be prime to every other number. Therefore, we take 2 as the smallest.
8. There is only one number in the entire Hindu Arabic number system which can be spelled with the same number of alphabets as itself. That number is four.
9. Leonardo Fibonacci from Pisa, in the 13th century, discovered the Fibonacci sequence. Starting at 0 and 1, this sequence is created as the sum of the two preceding numbers, For example: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...
10. Seven is the most significant number across religions and cultures. For example, seven colours in a rainbow, seven days in a week, seven notes on the musical skill, etc.

- **SUBHALAKSHMI**
IX B

44. MATHS IS ALL AROUND US

To live in a mathematically-driven world and not know math is like walking through an art museum with your eyes closed. Learning and appreciating math can help you appreciate things that you would not otherwise notice about the world. In reality, math is everywhere! Don't believe me? Read on for some examples of math in nature.



Bees are the masters of geometry. They use hexagons to build their honeycombs. The Fibonacci sequence, a famous sequence of numbers in mathematics, is found throughout nature: in pinecones, seashells, trees, flowers, and leaves.

The number pi can also be observed all around us. Pi is a cool number with many unique properties. Pi is approximately 3.14, but in reality, it is greater than 3.14, with an infinite string of numbers after the decimal point. Because pi is, in reality, an infinitely long number. It is expressed as the Greek letter pi (π). It cannot be expressed as a fraction and numbers that cannot be expressed as fractions are said to be irrational. Pi is also transcendental, which means that it is non-algebraic; this means that pi cannot be the solution of single-variable polynomial equations whose coefficients are all integers. (By definition, all transcendental numbers are also irrational.)

The number pi can be observed in the shapes of rivers. The ratio of a river's length to the distance from the source to its mouth is called the "meandering ratio". The average meandering ratio of rivers approaches the number pi. It makes sense that the average meandering ratio of rivers approaches pi, because rivers tend to bend into loops, which are circular in nature. The ratio of a circle's circumference to its diameter is also equal to pi.

Now that you know more about pi and about how math governs nature, don't you feel that you have a greater command over the mathematical laws of the universe? It can be empowering to learn about mathematical principles because it can help make sense of a world that, oftentimes, does not make much sense.

▪ **NANDINI. S**
XI-A



45. SUDOKU

						6	8	
				7	3			9
3		9					4	5
4	9							
8		3		5		9		2
							3	6
9	6					3		8
7				6	8			
	2	8						

Answer:

1	7	2	5	4	9	6	8	3
6	4	5	8	7	3	2	1	9
3	8	9	2	6	1	7	4	5
4	9	6	3	2	7	8	5	1
8	1	3	4	5	6	9	7	2
2	5	7	1	9	8	4	3	6
9	6	4	7	1	5	3	2	8
7	3	1	6	8	2	5	9	4
5	2	8	9	3	4	1	6	7

- AYISHA SIDDIKA. S
VIII A

46. LOGIC

Logic can be simply defined as the study of correct reasoning, especially making conclusions on the basis of evidence and reasoning. Even though its definition is said by using simple words, we often struggle and be at our wit's end to understand the philosophy of logic.

Logic also includes the reasoning ability of humans that they can use to form thoughts, opinions, classifications, judgements, etc. Another fact is that not only humans, also animals can use various forms of logic.



This complex term is now being used in disciplines like mathematics and computer science. It has numerous numbers of definitions.

In philosophy it can be called "the classical elementary logic" or "classical first-order logic". This discipline endeavours to differentiate good reasoning from bad reasoning. It deals with only statements with judgements or opinions that can be either true or false. One important thing about logic is that it does not concern with thoughts or emotions like happiness, sadness, anger, etc.

Mathematical logic can involve just words, just symbols or both words and symbols. This is necessary as it is concerned with mathematical truths and justifies proofs about mathematical objects like integers, complex numbers, etc.

Logic can be classified as:

- a) Formal Logic
- b) Informal Logic
- c) Symbolic Logic
- d) Mathematical Logic
- e) Other logic

The conclusion is that it may take some time to understand this term but when we do so, we will be able to figure out its essentiality in our lives.

▪ **NITHIKA. M**
VIII -B



47. BEAUTY OF MATHS

$\begin{array}{r} 111 \\ \hline = 37 \\ 1+1+1 \end{array}$	$\begin{array}{r} 222 \\ \hline = 37 \\ 2+2+2 \end{array}$	$\begin{array}{r} 333 \\ \hline = 37 \\ 3+3+3 \end{array}$
$\begin{array}{r} 444 \\ \hline = 37 \\ 4+4+4 \end{array}$	$\begin{array}{r} 555 \\ \hline = 37 \\ 5+5+5 \end{array}$	$\begin{array}{r} 666 \\ \hline = 37 \\ 6+6+6 \end{array}$
$\begin{array}{r} 777 \\ \hline = 37 \\ 7+7+7 \end{array}$	$\begin{array}{r} 888 \\ \hline = 37 \\ 8+8+8 \end{array}$	$\begin{array}{r} 999 \\ \hline = 37 \\ 9+9+9 \end{array}$

- DARSHIVA.S. J
VIII A

48. INTERESTING FACTS OF MATHS

1. There are types of interesting numbers in mathematics. One such number is hundred. The number 100 does not actually mean 100. It is derived from the Old Norse word "hundredth", which actually means 120.
2. The number 2 is the smallest prime number. It is also the only even prime number.
3. The square root of 2 i.e., 1.414 was the first rational number to be discovered which is known as the Pythagoras constant.
4. Romans didn't consider 0 to be a number at all.
5. The idea of zero was invented by an Indian astronomer and mathematician Brahmagupta in around 600 A.D
6. Pi is also known as the ratio of circumference to the diameter of a circle. It is a special number which is irrational. There is a designated day called Pi day that we celebrate on March 14.
7. The signs Plus (+) and Minus (-) were discovered as early as in 1489 A.D.



8. Two and five are the only prime numbers in the entire number system which ends with two or five.
9. If you add up all the numbers between 1 and 100 consecutively then the total that you will reach is 5050.
10. A Palindrome Number is a number that reads the same backward and forward, e.g., 12421.

- RISHIKANTH S
IX A

49. AMAZING SPACE FACTS

1. Big Bang was an explosion that created the whole universe
2. There are about 200 billion stars in Milky way galaxy
3. Sun is more than one million kilometres wide it is so big that more than one million Earth could fit inside
4. Sun is about 16 million degree Celsius
5. Mercury, Venus, Earth, Mars are made up of rocks known as Rocky planet
6. Jupiter, Saturn, Uranus, Neptune are known as gas planet
7. Billions of bits of dust, rock that make up Saturn ring
8. Jupiter has 63 moons, Galileo spotted Saturn ring
9. Halley comet can be seen every 76 years.
10. On 21st July, 1969 Neil Armstrong was a first person landed on Moon.

- SUNIL KUMAR. N. G
XII – C



50. FUN WITH SCIENCE

What you need:

- Three potatoes
- warm water
- bowl
- sieve

Process:

1. Take three potatoes and cut them into small pieces.
2. Rinse the potatoes with warm water and place a sieve in the bowl to collect the potatoes.
3. Wait for 30 minutes.
4. Now separate the potatoes and collect the water. The colour of the water changes and a white starch is formed at the bottom.
5. Now remove the starch, which is a NON-NEWTONIAN FLUID.

Inference:

- If you hit the starch with a hammer it acts as a solid, but when you take that in your hand it acts as a liquid.

▪ **NANDINI. S**
XI-A

51. WHY DO BIRDS FLY IN 'V' SHAPE?



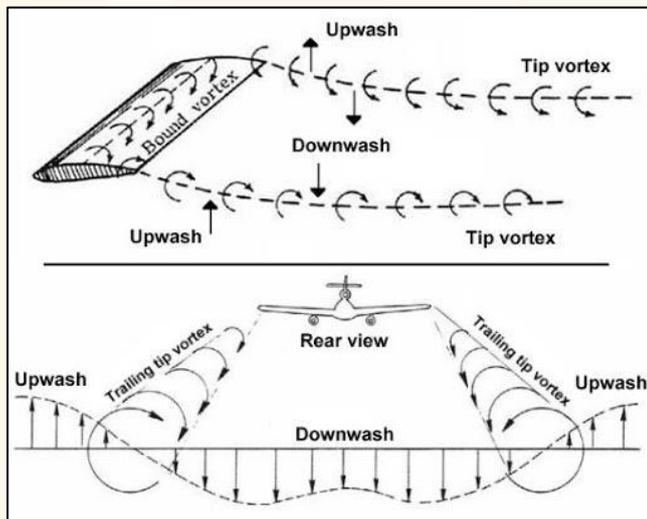
We would have seen birds flying in 'v' shape while they migrate in the sky. There's usually one bird in the front leading the way for each successive birds' lines up back and to the right or left of the bird in front of it. There are too, other basic shapes like J-



formation and inverted J formation. These formations are actually the types of “echelon formations”. But prominently ‘v’ formation is found in birds. It is considered as an advantageous one because, in this formation less energy is only needed to cover long distances which is very useful for birds during migration.

WHAT HAPPENS WHEN THE BIRD FLIES IN ‘V’ SHAPE?

When the leading bird flaps its wing, a rotating vortex of air rolls off each of its wingtips. These vortices mean that the air immediately behind the bird is constantly pushed downwards (downwash), and the air behind it and off to the sides gets pushed upwards (upwash). If another bird flies in either of these upwash zones, it gets free lift. It can save energy by mooching off the air flow created by its flock-mate.



The research made by Henri Weimerskirch found that birds at the back of the V had slower heart rates than those in the front, and also they flapped less often. Simply, the preceding birds in the ‘V’, catch the updraft of the first bird and save energy during flight i.e., the first bird has to give more effort and energy for a successful migration. It is said that the bird which precedes the group, used to swap its position with the other i.e., they work as a team by sharing their work. This useful formation is also seen in sea battles and aerial warfare as lining up in V gives each member a clear view of sight ahead of them and also they can follow the leader.





- HEMADARSHINI R S,
XI - A

52. LUNAR WATER

NASA'S Stratospheric observatory for Infrared Astronomy (SOFIA) has confirmed, for the first time, water on the sunlit surface of the moon. This Discovery indicates that water may be distributed across the lunar surface, and not limited to cold, shadowed places .SOFIA has detected water molecules(H_2O) in clavius crater, one of the largest craters visible from earth ,located in the Moon's Southern Hemisphere.

Several forces could be at play in the delivery or creation of this water. Micrometeorites raining down on the lunar surface, carrying small amounts of water, could deposit the water on the lunar surface upon impact .Another Possibility is there could be a two-step process whereby the sun's solar wind delivers hydrogen to the lunar surface and causes a chemical reaction with oxygen-bearing minerals in the soil to create hydroxyl .Meanwhile, radiation from the bombardment of micrometeorites could be transforming that hydroxyl into water.

How the water then gets stored-making it possible to accumulate- also raise some intriguing questions. The water could be trapped into tiny beadlike structures in the soil that form out of the high heat created by micrometeorite impacts. Another possibility is that the water could be hidden between grains of lunar soil and sheltered from the sunlight- potentially making it a bit more accessible than water trapped in beadlike structure.

SOFIA'S project scientist at NASA'S Ames Research center in California's Silicon Valley. "It's Incredible that this discovery came out of what was essentially a test, and now that we know we can do this, we' re planning more flights to do more observations".



SOFIA'S follow-up flights will look for water in additional sunlit locations and during different lunar phases to learn more about how the water is produced, stores, and moved across the moon. The data will add to the work of future moon missions, such as NASA's VOLATILES INVESTIGATING POLAR EXPLOARTION ROVER(VIPER),to create the first water resource maps of the moon for future human space exploration.

Under NASA'S ARTEMIS program, the agency is eager to learn all it can about the presence of water on the moon in advance of sending the first woman and next man to the lunar surface in 2024 and establishing a sustainable human presence there by the end of the decade.

- **THESHANI. S. S**
IX A

53. NOBLE PRIZE WINNERS AND THIER ACHIEVEMENTS

NOBLE LAUREATE	YEAR OF PRIZE	ACHIEVEMENT
MICHEL MAYOR	2019	For the discovery of an exoplanet orbiting a solar-type-star
AKIRA YOSHINO	2019	For the development of lithium-ion batteries
GREGG L.SEMENZA	2019	For the discoveries of how a cell sense and Adapt to oxygen availability
ESTHER DUFFLO	2019	For their experimental approach to alleviating global Poverty
DONNA STRICK LAND	2018	For their method of generating high-intensity ,ultra-short optical pulses
FRANCES H.ARNOLD	2018	For the direct evolution of enzymes
P.SMITH	2018	For the page display of peptides and antibodies

-**LAKSHMII NATARAJAN**
IX – B



54. 8 COLOURFUL FACTS

1. Red is the common colour of food packaging. It's believed to make you HUNGRY.
2. In the book of the wonderful wizard of oz, Dorothy slipper was described as silver. RUBY RED SLIPPERS were chosen for the 1939 movie so they would stand out against the yellow brick road.
3. BLOOD ORANGES are orange on the outside and crimson red on the inside.
4. BLACK and WHITE aren't truly colours. Black absorbs all visible colours and none of them are reflected. White is when all visible colours are blended.
5. The golden gate bridge is painted INTERNATIONAL ORANGE.
6. The colour of a firework depends on the kind of chemical it is made from. DIFFERENT CHEMICALS produce different colours when they are heated.
7. All school buses in the united states and Canada are painted NATIONAL SCHOOL BUS GLOSSY YELLOW.
8. Mickey sorcerer hat at Disney Hollywood studios in Florida USA is painted with a technique called CHAMELELON PAINT which shifts colours as you move it around.

- SASHINI. G

V A

55. DEFECTS OF VISION AND THEIR CORRECTION

Sometimes, the eye may gradually lose its power of adaptation. In such conditions, the person cannot see the objects distinctly and comfortably. The vision becomes blurred due to refractive defects of the eye.

There are mainly three common refractive defects of vision. These are MYOPIA, HYPERMETROPIA and PRESBIOPIA. These defects can be corrected by the use of suitable spherical lenses.

MYOPIA:

A person with myopia can see nearby objects clearly but cannot see the objects which are far distinctly. Myopia is also known as near-sightedness. In a myopic eye, the image of the distant object is formed in front of the retina while a person with a normal



sight will form an image on the retina. This defect can arise either due to excessive curvature of the eye lens or elongation of the eyeball.

This defect can be corrected by a concave lens of a suitable power. Our eye lens is of convex shape, so when we place a concave lens in front of our eyes it will diverge the light from the object and when the diverged light hits our eyes it will then converge and form an image exactly on the retina.

HYPERMETROPIA:

A person with hypermetropia can see the distant objects clearly but cannot see nearby objects distinctly. Hypermetropia is also known as far-sightedness. In a hypermetropic eye, the image of the nearby object is formed behind the retina while a person with a normal sight will form an image on the retina.

This defect can arise either due to the focal length of the eye lens is too long or the eyeball has become too small. This defect can be corrected by a convex lens of an appropriate power. Our eye lens is of convex shape too, so when we place a convex lens in front of our eyes it will converge the light from the object and then the converging light gets converged even more and hit our eyes, it will then form an image exactly on the retina.

PRESBYOPIA:

The adapting capacity of the eye usually decreases with ageing. For most people, the near point gradually recedes away. They find it difficult to see nearby objects comfortably and distinctly without corrective eye-glasses. This defect is called presbyopia. It arises due to the gradual weakening of the ciliary muscles and diminishing flexibility of the eye lens. Sometimes, a person may suffer from both myopia and hypermetropia. A common type of bi-focal lenses consists of a concave at the upper portion and convex at the lower portion facilitating distant vision and near vision respectively.

These days, it is possible to correct the refractive defects with contact lenses or through surgical interventions.

- MEDHINI S PILLAI

XI – A



56. THE FLAME IN MICROGRAVITY



Since March 2009, FLEX has conducted more than 200 tests to understand the behavior of fire in microgravity. Fire is a different beast in space. When flames burn on Earth, heated gasses rise drawing oxygen in and pushing combustion products out. But in microgravity, hot gases don't rise. So, an entirely different process called molecular diffusion drives flame's behavior. "In space, molecular diffusion draws oxygen to the flame and combustion products away from the flame at a rate 100 times slower than the buoyant flow on Earth," said Dan Dietrich, FLEX project scientist at NASA's Glenn Research Center in Ohio. Space flames can also burn at a lower temperature and with less oxygen than fires on earth. As a result, the material used to put out space fires must be more concentrated. Due to absence of upward flow of hot air, fires in microgravity are dome-shaped or spherical- and sluggish.

- HEMADARSHINI R S
XI – A

57. INTERESTING FACTS ABOUT CHEMISTRY

- Gallium has a melting point of 29.76 degrees and can melt on the palm of our hand.
- Helium is lighter than air. Hence it floats in air.
- Ununoctium is the heaviest metal found on Earth.
- If you add a handful of salt in a glass of water, the level of water will actually decrease.
- There is about 250g of table salt in human body.
- J is the only letter that do not appear in the periodic table.
- Hydrofluoric acid is so corrosive that it can dissolve glass.



- Wasp stings are alkaline whereas bee stings are acidic.
- The colour in fireworks is made possible by using different salts with different metals.
- Fluorine is often added to drug molecules.
- The only substance that cannot freeze in atmospheric pressure is Helium.
- Mars appears red to the human eye due to the iron oxide particles that suspends its atmosphere.
- Lightning strikes produce O₃, which is ozone, and strengthen the ozone layer of the atmosphere.
- The only two non-silvery metals are gold and copper.
- Dry ice is the solid form of carbon dioxide (CO₂).
- Mars is red because its surface contains a lot of iron oxide or rust.

- **KEERTHANA. G. S**
XI -A

58. 10 AMAZING, FUN & INTERESTING FACTS ABOUT CHEMISTRY

Chemistry, like its brothers, biology and physics, is well known to scare away many students into the commerce group as their higher education, yet it never fails to amaze us. As a proof, here are some amazing and very interesting facts about chemistry laid down underneath.

#1: Learning from Others

Watson and Crick, the ground breakers of the DNA double helix never ran any experiments on themselves, but rather researched into the work of others and deduced the structure.

#2: The Insanity Cure

A person suffering from any form of mental illness can be cured with the help of lithium as it is known to be used for the purpose of changing one's thinking. I would personally recommend it for the terrorists and changing their outlook.

#3: The Death Omen

The first X-ray was an image of a woman's hand with a ring on it. It was of Bertha Rontgen's hand. She believed that seeing her bones was a death omen and her time had arrived.



#4: Drinking Health

Fresh juice has finally found its competition in the arena of being a healthy drink. People are known to drink radioactive water from a device called “the revigator” as it was considered to be a healthy.

#5: Misunderstood Diamond

Men promise their women the rarest things in return of their love. One such thing is considered to be diamonds. However, men have got to work harder as now diamonds being the rarest gems have been replaced by jadeite which costs about \$3 million per carat. Wedding is really a mean business.

#6: 28 Grams

All those teenagers believing themselves to be the rarest on earth have to compete with astatine which is used for the treatment of brain tumours and in radiation therapies. Only 28 grams of it is present on the whole wide earth.

#7: Colourful Excitement

The magnificent colours of the dawn are due to the excited oxygen present.

#8: The Standard Oxygen

A historical event took place in 1961 when oxygen was replaced by carbon 12 to be used as the atomic weight standard for other elements.

#9: The Unloved ‘J’

Discrimination takes place everywhere. Be it in life or even in the periodic table where the letter J is the only letter that doesn’t appear.

#10: The Liquid Element

For everything there is an exception, including metals. One of the very interesting fact about Chemistry is that the metal Gallium (Ga, atomic no. 31) can melt in your hands!

-V THARAKESHWARAN.

X - A



59. CHEMISTRY QUOTIDIAN FACTS

- If you have collected an atom of gold every second since the Big Bang, the weight of gold wouldn't exceed 0.14 milligrams.
- Changing the colour of your dishes might help you eat less. Studies show that when food matches the colour of the plate, you're likely to serve yourself 22% more than your usual intake.
- There is only one letter that doesn't appear in the Periodic table, it is "J".
- Chocolate can kill dogs, as it contains theobromine which affects their heart and nervous system.
- Mosquitoes like the scent of oestrogen hence women usually get bitten by mosquitoes.
- If you remove all the empty space within the atoms of all people on earth, then the entire human race could fit in a single sugar cube.

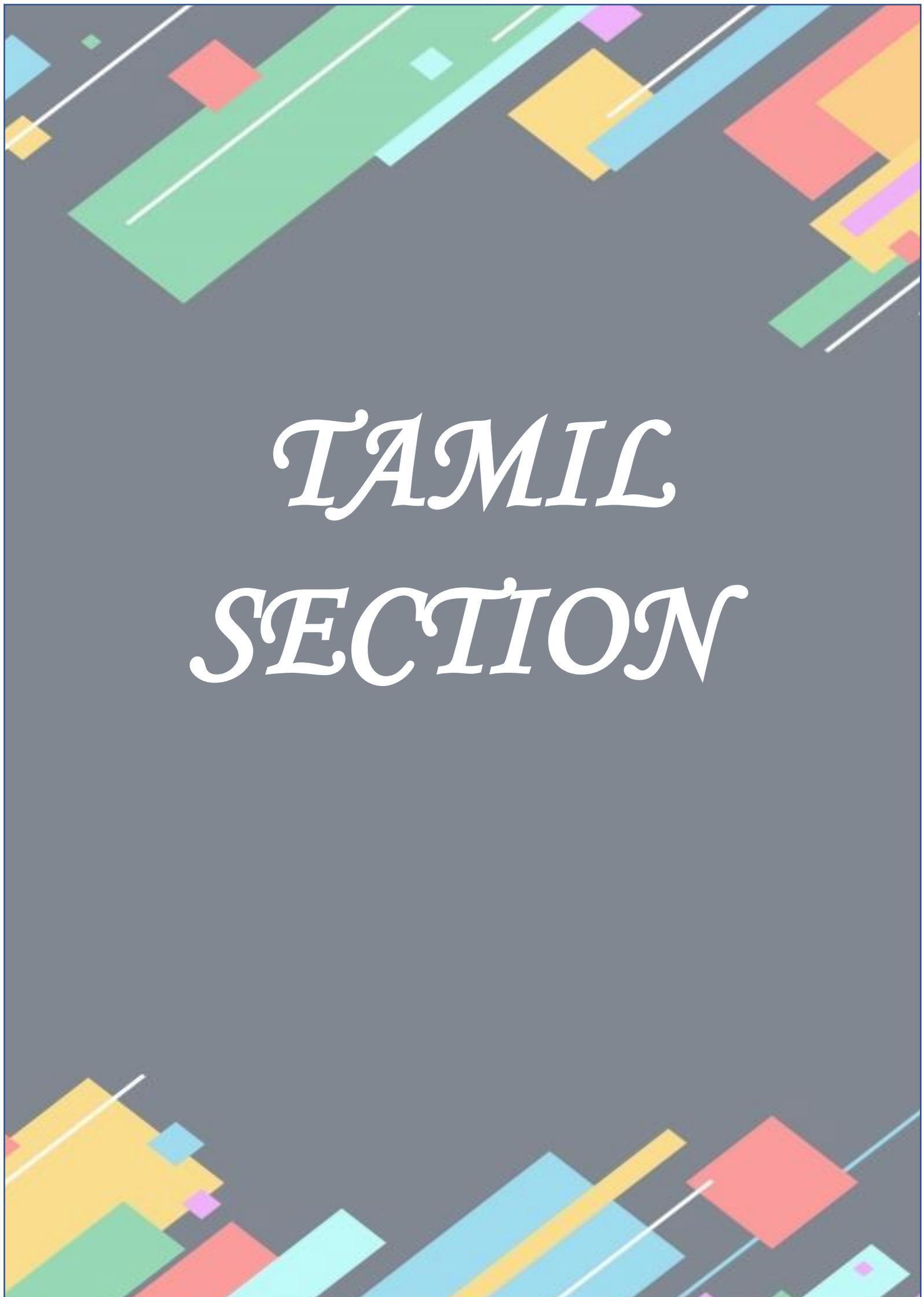
- MITHUBALA A
IX - B

60. AMAZING CHEMISTRY FACTS THAT WILL BLOW YOUR MIND

1. Water expands when frozen, unlike other substances.
2. Glass is actually a liquid, it just flows very, very slowly.
3. Every hydrogen atom in your body is likely 13.5 billion years old because they were created at the birth of the universe.
4. If you pour a handful of salt into a glass of water, the water level will go down.
5. One inch of rain is equal to 10 inches of snow.
6. A rubber tire is technically one single, giant, polymerized molecule.
7. Your car's airbags are packed with salt sodium azide, which is very toxic.
8. Air becomes liquid at -190°C .
9. Mars is red because of iron oxide.
10. The rarest naturally-occurring element in the Earth's crust is astatine

- RISHIKANTH S
IX - A





*TAMIL
SECTION*

61. சுவாமி விவேகானந்தர் பொன்மொழிகள்

1. சமைகளை கண்டு நீ துவண்டு விடாதே! இந்த உலகத்தை சுமக்கும் பூமியே உன் கால் அடியில் தான்.
2. உன்னால் சாதிக்க இயலாத காரியம் என்று எதுவும் இருப்பதாக ஒரு போதும் நினைக்காதே.
3. உங்களை மேன்மையானவர்கள் என்று நினைபுங்கள் அப்படியே ஆவீர்கள்.
4. உனக்குத் தேவையான எல்லா வலிமையும் உதவியும் உனக்குள்ளேயே உள்ளன.
5. உன் மீது உனக்கே நம்பிக்கை இல்லை என்றால் கடவுளே நேரில் வந்தாலும் பயன் இல்லை.
6. யாருக்கும் உதவி செய்ய முடியாது. மாறாகச் சேவைதான் செய்ய முடியும்.
7. நீ பட்ட துன்பத்தை விட, அதில் நீ பெற்ற அனுபவமே சிறந்தது!
8. உண்மைக்காக எதையும் துறக்கலாம். ஆனால் எதற்காகவும் உண்மையைத் துறக்காதே.
9. வெற்றியை சந்தித்தவன் இதயம் புவைப் போல மென்மையானது! தோல்வியை சந்தித்தவன் இதயம் இரும்பை விட வலிமையானது!
10. தூய்மையாக இருப்பதும், மற்றவர்களுக்கு நன்மை செய்வதும் தான் எல்லா வழிபாடுகளின் சாரமாகும்.

- அனுஷமா. வி

XII A



62. நா நெகிழ் வாக்கியங்கள்

1. கிழட்டுக் கிழவன் சடுகுடு விளையாட, குடுகுடுவென ஓடி வாழைப்பழத்தோலில் வழக்கி விழுந்தான்.
2. வீட்டுக்கிட்ட கோரை; வீட்டுக்கு மேல கூரை; கூரை மேல நாரை.
3. சரக்கு ரயிலைக் குறுக்கு வழியில் நிறுத்த நினைத்த முறுக்கு மைனர் சறுக்கி விழுந்தும் முறுக்கு மீசை இறங்கவில்லை
4. ஓடுற நரியில ஒரு நரி கிழநரி; கிழநரி முதுகுல ஒரு முடி நரைமுடி.
5. பக்தியில் முத்தின பக்தன் பக்தர்களை பத்துப் பேராக பந்திக்கு அழைத்தான்
6. ஒரு குடம் எடுத்து அரை குடம் இறைத்து குறை குடம் நிரப்பி நிறை குடம் ஆக்கினாள்
7. கொக்கு நெட்டக் கொக்கு; நெட்டக் கொக்கு இட்ட முட்டை கட்ட முட்டை.
8. ஆடுற கிளையில ஒரு கிளை தனிக்கிளை; தனிக்கிளை தனில் வந்த கனிகளும் இனிக்கலை.
9. ஏணி மேல கோணி, கோணி மேல குண்டு, குண்டு மேல புல்லு, புல்லுக்குள்ள பூச்சு எது எனக் கேட்ட ஆச்சி விட்டது ஆயுள் மூச்சு
10. லகர ளகரமும் ழகர லகரமும் றகர ழகரமும் பழக்கத்தில் புழக்கத்தில் இருந்தாலும் குழந்தைகள் பேசும்போது வழ கொழ பேச்சாத்தான் இருக்கும்

- SWETHA.M. P
XII A



63. மகிழ்ச்சிக்கு எழு ஸ்வரங்கள்

பேசும் முன் கேள்!

எழுதும் முன் படி!

செலவழிக்கும் முன் சம்பாதி!

முதலீடு செய்யும் முன் விசாரி!

குற்றம் செய்யும் முன் நிதானி!

ஓய்வு சேறும் முன் சேமி!

இறக்கும் முன் தருமம் செய்!

என்ற ஏழு நியதிகளின் அடிப்படையில்

நம் வாழ்க்கையை அமைத்துக்கொண்டால்

இனிதாய் அமையும் அல்லவா!

- ந.போ. சுனில் குமார்

XII C

64. கொக்கு, கோழி, உப்பு, நீ

ஆசிரியரிடம் ஒரு மாணவன் வந்தான். “ஐயா, மாணவன் என்பவன் எப்படி இருக்க வேண்டும்?” என்று கேட்டான்.

அதற்கு ஆசிரியர், “மாணவன் என்பவன், கொக்கைப் போல இருக்க வேண்டும். கோழியைப் போல இருக்க வேண்டும். உப்பைப் போல இருக்க வேண்டும். உன்னைப் போல இருக்க வேண்டும்” என்றார்.

மாணவனுக்கு ஒன்றும் புரியவில்லை. “கொஞ்சம் விளக்கமாகச் சொல்லுங்கள்” என்றான்.

“கொக்கு, ஒற்றைக் காலில் நீண்டநேரம் பொறுமையாக நிற்கும். மீன்கள் வந்தவுடன் விரைந்து செயல்பட்டுப் பிடித்துவிடும். அதுபோல, ஒரு மாணவன் சரியான வாய்ப்புக் கிடைக்கும்போது அதைப் பயன்படுத்தி, அரிய செயல்களைச் செய்ய வேண்டும்” என்றார்.

“கோழியைப் போல இருக்க வேண்டும் என்றீர்களே அதற்கு என்ன அர்த்தம்?” என்று கேட்டான் மாணவன்.



“கோழி என்ன செய்யும்? குப்பையைக் கிளறும். ஆனால், அந்த குப்பைகளை விட்டுவிட்டு தனக்குத் தேவையான உணவை மட்டும் எடுத்துக் கொள்ளும். அதுபோல, மாணவர்கள் தாம் சந்திக்கும் தீமைகளைத் தூரம் தள்ளி, நன்மைகளை மட்டும் எடுத்துக் கொள்ள வேண்டும்” என்றார்.

அடுத்தது, உப்பைப் போல இருக்க வேண்டும் என்றீர்களே...

“ஆமாம், உப்பை எந்த உணவோடு கலந்தாலும், அது இருக்கிறது என்று கூற முடியும். ஆனால், கலக்கிய உணவில் உப்பு கண்ணுக்குத் தெரியாது. அதன் சுவையை மட்டுமே உணர முடியும். அதுபோல, மாணவர்கள் எந்தத் துறையில் இறங்கினாலும் அதில் சிறப்பான தனித் தன்மையை வெளிப்படுத்தி, தனது மறைவுக்குப் பின்னும் அதை இவர்தான் செய்தார் என்று கூறும் படி விளங்க வேண்டும்” என்றார்.

“எல்லாம் சரி, உன்னைப் போல இருக்க வேண்டும் என்றீர்களே...அதற்கு என்ன அர்த்தம்?” என்று கேட்டான்.

“மாணவன் என்பவன் தனக்குள் எழக்கூடிய சந்தேகங்களை, எந்தவிதத் தயக்கமும் இல்லாமல் ஆசிரியரிடம் கேட்டுத் தெளிவு பெற வேண்டும். அதற்காகத்தான் உன்னைப் போல இருக்க வேண்டும்” என்று கூறி புன்னகைத்தார்..அந்த மாணவன் மகிழ்ச்சியுடன் அவரை வணங்கினான்.

-ஹேமதர்ஷிணி ரா.சு,

XI B

65. தமிழ் மொழி பற்றிய அற்புதமான உண்மைகள் :

“சிங்கப்பூரில் இந்தியர் என்பது தமிழன் தான்.

மலேசியாவில் இந்தியர் என்பது தமிழன் தான்.

மொரீசியஸில் இந்தியர் என்பது தமிழன் தான்.

ரீயூனியனில் இந்தியர் என்பது தமிழன் தான்.

பிரான்சில், ஜெர்மனியில் போன்ற பல்வேறு ஐரோப்பிய நாடுகளிலும் கம்போடியாவில் தாய்லாந்து போன்ற ஆசிய நாடுகளிலும் இந்துக்கோவில்கள் என்பது தமிழர்கள் காட்டியது தான்



இலங்கையில் தமிழ் இரண்டாவது ஆட்சி மொழியாக இருக்கிறது.
பாஸ்போர்ட்டில் கூட தமிழ் தான் இருக்கிறது.

மலேசியாவிலும் அரசு நிர்வாகம் மற்றும் அமைச்சர்களாக தமிழர்கள் தான்
கோலோச்சுகின்றனர்.

சீன கம்னியூஸ்ட் அரசு இந்திய மொழிகளில் தமிழை மட்டும் தான்
வானொலி சேவையாக வழங்கி வருகிறது.

கனடாவில் தமிழர் தினம் என்று ஒரு நாளை அரசே கொண்டாடுகிறது.

ஜப்பானில் தமிழில் அறிவிப்புப் பலகைகளை அரசு வைத்துள்ளது.

பிரான்ஸ் புனித லூர்து அன்னை ஆலயத்தில் ஒவ்வொரு நாளும் திருப்பலி
நடத்தப்படும் மொழியும் தமிழ்தான்.

சிங்கப்பூர், மலேசியா, மொரீஸியஸ், இலங்கை நாடுகளின் காசுகளிலும்
எழுதப்பட்டிருக்கும் ஒரே இந்திய மொழி தமிழ் தான்.

ஆறுக்கும் மேற்பட்ட நாடுகளில் இந்திய மொழிகளிலேயே அலுவல்
மொழியாக ஏற்றுக்கொள்ளப்பட்ட ஒரே இந்திய மொழியான தகுதியுடன்
தமிழ் தான் சிறப்பாக இருக்கின்றது.

12 நாடுகளில் தமிழை அலுவல் மொழியாக்கும் பணிகளில் அந்தந்த
அரசாங்கங்கள் ஈடுபட முனைந்திருக்கின்றன.

200 நாடுகளிலும் வாழும் ஒரே இனம் உலகிலே தமிழ் இனம் மட்டும் தான்.

இதில் பல நாடுகளில் இந்திய தூதர்களாக இருப்பது தமிழர்கள்தான்.

- SANJANASREE.R

IX A



66. கொரோனா

- இது ஒரு கொல்லும் வைரஸ்

கொரோனா வைரஸ் எப்படி, எங்கிருந்து, எப்போது வந்தது என்பது உங்களுக்குத் தெரியுமா? அதைப் பற்றி இந்தப் பக்கத்தில் பார்ப்போம்.

கொரோனா வைரஸ் எப்படி வந்தது?

SARS-CoV-2 வெளவால்களில் தோன்றியதாக நிபுணர்கள் கூறுகின்றனர். மத்திய கிழக்கு சுவாச நோய்க்குறி (MERS) மற்றும் கடுமையான சுவாச நோய்க்குறி (SARS) ஆகியவற்றின் பின்னால் உள்ள கொரோனா வைரஸ்கள் தொடங்கியதும் இங்கிருந்துதான்.

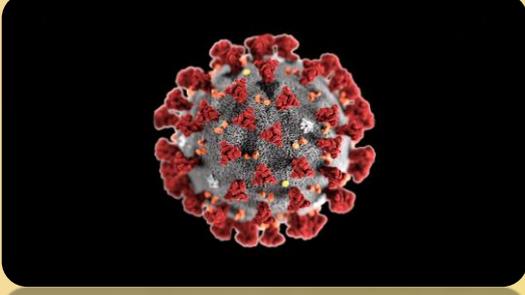
SARS-CoV-2 வுஹானின் திறந்தவெளி “ஈரமான சந்தைகளில்” மனிதர்களுக்கு முன்னேறியது. அந்த இடத்திலேயே கொல்லப்படும் விலங்குகள் உட்பட புதிய இறைச்சி மற்றும் மீன்களை வாடிக்கையாளர்கள் வாங்குகிறார்கள். சில ஈரமான சந்தைகள் கோப்ராஸ், காட்டுப்பன்றிகள் மற்றும் ரக்கூன் நாய்கள் போன்ற காட்டு அல்லது தடைசெய்யப்பட்ட இனங்களை விற்கின்றன. நெரிசலான சூழ்நிலைகள் வெவ்வேறு விலங்குகளிலிருந்து வரும் வைரஸ்கள் மரபணுக்களை மாற்ற அனுமதிக்கும். சில நேரங்களில் வைரஸ் மிகவும் மாறுகிறது, இது மக்களிடையே தொற்று மற்றும் பரவ ஆரம்பிக்கும்.

SARS-CoV-2 சீனாவிற்கு உள்ளேயும் வெளியேயும் பரவியதால், விலங்குகளுடன் நேரடி தொடர்பு இல்லாத மக்களுக்கு இது பாதிப்பை ஏற்படுத்தியது. அதாவது வைரஸ் ஒரு மனிதரிடமிருந்து இன்னொருவருக்கு பரவுகிறது. இது இப்போது யு.எஸ் மற்றும் உலகம் முழுவதும் பரவி வருகிறது, அதாவது மக்கள் அறியாமலே கொரோனா வைரஸைப் பிடித்து



கடந்து செல்கிறார்கள். இந்த வளர்ந்து வரும் உலகளாவிய பரிமாற்றம் இப்போது ஒரு தொற்றுநோயாகும்.

கொரோனா வைரஸ் எங்கிருந்து வந்தது?



டிசம்பர் மாதம் சீனாவின் மத்திய ஹூபே மாகாணத்தில் தோன்றிய கொரோனா வைரஸ் வெடிப்பு 361 பேரைக் கொன்றது, ஞாயிற்றுக்கிழமை 57 இறப்புகள் பதிவாகியுள்ளன, உறுதிப்படுத்தப்பட்ட வழக்குகளின் எண்ணிக்கை 17,205 ஆக

உயர்ந்துள்ளது. 25 நாடுகளுக்கு பரவியுள்ள தொற்றுநோயால் சீனாவிற்கு வெளியே முதல் மரணம் இருப்பதாக பிலிப்பைன்ஸ் ஞாயிற்றுக்கிழமை தெரிவித்துள்ளது.



கொரோனா வைரஸ் எப்போது தொடங்கியது?

இந்த வைரஸ் 31 டிசம்பர் 2019 அன்று WHO சீனா நாட்டு அலுவலகத்திற்கு அறிவிக்கப்பட்டது. சீன அதிகாரிகள் ஒரு புதிய வகை கொரோனா வைரஸை



நாவல் கொரோனா வைரஸ், என்.சி.ஓ.வி) அடையாளம் கண்டனர், இது ஜனவரி 7, 2020 அன்று தனிமைப்படுத்தப்பட்டது.

செயலில் வழக்கு கண்டுபிடிப்பு மற்றும் பின்னோக்கி ஆய்வு மூலம் அடையாளம் காணப்பட்ட அனைத்து சந்தேக நிகழ்வுகளிலும் ஆய்வக சோதனை நடத்தப்பட்டது.



கொரோனா வைரஸ் பரிசோதனை எப்படி செய்யப்படுகிறது?

கொரோனா வைரசால் பாதிக்கப்பட்டவர்களை பரிசோதிக்க அவர்களது ரத்த மாதிரிகள் பயன்படுத்துவதில்லை. மாறாக அவர்களது எச்சில் அல்லது மூக்குச் சளி மூலம் மேற்கொள்ளப்படுகிறது. இந்த பரிசோதனை முடிவுகள் தெரியும் வரை பாதிக்கப்பட்ட நபர் மருத்துவமனையில் இருக்க வேண்டும் அல்லது, மருத்துவரின் நேரடி கண்காணிப்பில் இருக்க வேண்டும். கொரோனா பரிசோதனை முடிவில், வைரஸ் பாதிப்பு உறுதி செய்யப்பட்டால் பாதிக்கப்பட்ட நபர் அடுத்த 14 நாட்கள் அல்லது குணமாகும் வரை தனிமைப்படுத்தப்பட்டு சிகிச்சை அளிக்கப்பட வேண்டும்.

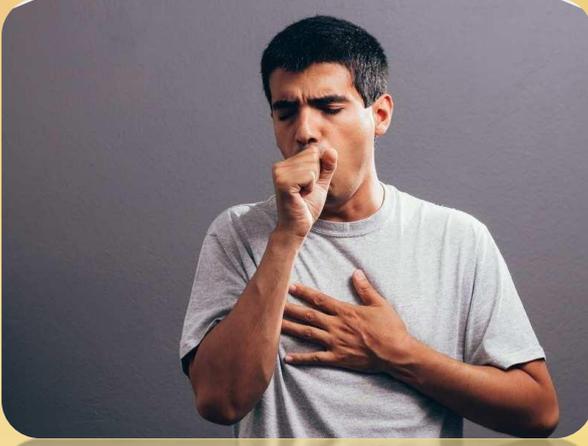




கொரோனா வைரஸின் அறிகுறிகள்:

- ✓ வறட்டு இருமல்
- ✓ சோர்வு
- ✓ தலைவலிகள் மற்றும் உடல் வலிகள்
- ✓ தொண்டை வலி
- ✓ வயிற்றுப்போக்கு
- ✓ கண்வலிகள்
- ✓ தலைவலி
- ✓ சுவை அல்லது மணம் அறிய முடியாமை
- ✓ தோல் நோய் அல்லது கை கால் விரல்களின் நிறம் வெளிர்ந்தல்.





பெரும்பாலான மக்களுக்கு COVID-19 லேசான நோயை மட்டுமே ஏற்படுத்துகிறது என்றாலும், இது சிலரை மிகவும் நோய்வாய்ப்படுத்தும். மிகவும் அரிதாக, நோய் ஆபத்தானது. வயதானவர்கள், மற்றும் முன்பே இருக்கும் மருத்துவ நிலைமைகள் (உயர் இரத்த அழுத்தம், இதய பிரச்சினைகள் அல்லது நீரிழிவு போன்றவை) அதிகம் பாதிக்கப்படக்கூடியவர்களாகத் தோன்றுகின்றன.

எனவே, முகமூடி அணியுங்கள், சமூக இடைவேளையை கட்டுப்படுத்துங்கள் மற்றும் அரசாங்கம் வழங்கிய அனைத்து விதிகளையும் பின்பற்றுங்கள்.

நன்றி.

- ச.ஸ்ரீ சாய் சுருதி

IX - B



67. முத்துலட்சுமி ரெட்டி



இவர் புதுக்கோட்டை சமஸ்தானத்தில் திருக்கோகர்ணம் என்ற இடத்தில் 1886-ஆம் ஆண்டு நாராயண சாமி, சந்திரம்மாள் தம்பதியருக்கு மூத்த மகளாக பிறந்தார். இவரது தந்தையார் நாராயணசாமி பிரபல வழக்கறிஞர். பிராமண சமூகத்தைச் சேர்ந்தவர். தாயார் சந்திரம்மாள் பிரபல பாடகர். இசை வேளாளர் சமூகத்தைச் சேர்ந்தவர். இவரின் தங்கைகள் சுந்தரம்மாள், நல்லமுத்து மற்றும் இவரின் தம்பி இராமையா ஆவர். முத்துலட்சுமி ரெட்டி (சூலை 30, 1886 - சூலை 22, 1968) இந்தியாவின் பெண் மருத்துவர், சமூகப் போராளி, தமிழார்வலர். இவர் 1912 ஆம் ஆண்டு சென்னை மருத்துவக் கல்லூரியில் இருந்து பட்டம் பெற்று மருத்துவச் சேவையாற்றினார். இவர் இந்தியப்பெண்கள் சங்கத்தின் முதல் தலைவராக பணியாற்றினார். இந்திமொழிக் கிளர்ச்சியில் பங்குபெற்றார். தமிழிசை இயக்கம், தமிழ் வளர்ச்சி, தமிழாசிரியர்களின் ஊதிய உயர்வுப் போராட்டம் எனத் தமிழ்ப் பணிகள் செய்தார். மாதர் இந்திய சங்கம் நடத்திய பெண்களுக்கான 'ஸ்திரீ தருமம்' என்னும் மாத இதழின் ஆசிரியராக விளங்கினார். முத்துலட்சுமியின் சேவைகளுக்காக மத்திய அரசு 1956 இல் பத்ம பூஷண் விருது கொடுத்து கௌரவித்தது. முத்துலட்சுமி 1968-ஆம் ஆண்டு ஜூலை மாதம் 22-ஆம் தேதி மறைந்தார்.

▪ சி.ரிசுஷிகாந்த்

IX - A



68. இயற்கை

வானம் இருள்கிறது. மழை பொழிகிறது
ஆறு. நிரம்புகிறது உயிர் குடிக்கின்றது
உயிர் எச்சம் இடுகிறது செடி முளைக்கிறது
பழம் கிடைக்கிறது உயிர் உண்கின்றது

- க.ஜோ.அஸ்விகா

VII - C

69. கழுகுமலை வெட்டுவான் கோயில்

கழுகுமலை வெட்டுவான் கோயில் என்பது தமிழ்நாட்டில் தூத்துக்குடி மாவட்டத்தில், கோவில்பட்டியிலிருந்து 22கிமீ தொலைவில் கழுகுமலை என்னும் பேரூராட்சியில் அமைந்துள்ள ஒரு சிறிய கோயில் ஆகும். ஊரின் மையப் பகுதியிலிருந்து 1 கி.மீ. தொலைவில், இவ்வூரின் பெயரைக்கொண்ட மலையின் ஒரு பகுதியில் இக்கோவில் அமைந்துள்ளது. இக்கோவில் திராவிடக் கட்டிடக்கலையைப் பயன்படுத்தி சுமார் கி.பி. 800-ல் பாண்டிய மன்னன் ஆட்சிக்காலத்தில் உருவாக்கப்பட்டது. கழுகு மலையில் நமது பண்பாட்டின் சின்னங்களாக இருப்பவை

- முருகன் கோவில்,

□ வெட்டுவான் கோவில்,

□ சமணர் சிற்பங்கள்.

□ முருகன் கோவில்

சம்பாதி என்ற கழுகு முனிவர் இவ்வூர் முருகனைவழிபட்டதால் இந்த ஊர் 'கழுகு மலை' என்று பெயர் பெற்றது என்று கூறுவர். இங்குள்ள மலையின் அடிவாரத்தில், கழுகாசல மூர்த்தி என்ற சுப்ரமணிய சுவாமி கோவில் உள்ளது. கோவிலின் கருவறையும், அர்த்த மண்டபமும் கழுகு மலையைக் குடைந்து அமைக்கப்பட்டுள்ளன. கருவறையில் முருகன்,



வள்ளி, தெய்வானையோடு காட்சியளிக்கிறார். தென்பழனி என்ற பெயரும் இத்தலத்திற்கு உள்ளது. இது அருணகிரிநாதரின் பாடல்பெற்ற தலம் ஆகும். இக்கோவிலிலுள்ள முருகன் எட்டையபுர மன்னர்களின் குலதெய்வமாக வழிபடப்பட்டார். இம்மன்னர்களின் திருப்பணிகள் பல இக்கோவிலில் உள்ளன.

▣ வெட்டுவான் கோயில்

தமிழகத்தில் உள்ள மிகச் சிறந்த குகைக்கோயில்களில் கழுகுமலை வெட்டுவான் கோயிலும் ஒன்றாகும். இக்கோயில் 8ஆம் நூற்றாண்டில் பாண்டிய மன்னர்களால் செதுக்கப்பட்டதாகும். மிகவும் நுணுக்கமான சிற்பங்களைக் கொண்டு இக்கோயில் அமைந்துள்ளது. தற்போது கோயிலின் முழு பணியும் முற்றுப்பெறாமல், கருவறையில் பிள்ளையார் சிலை ஒன்று வைக்கப்பட்ட நிலையில் காணப்படுகிறது.

மாமல்லபுரத்தில் பல்லவ மன்னர்கள் அமைத்த ஒற்றைக் கற்கோவில்கள் உள்ளன. கழுகுமலையில் பாண்டிய மன்னர் அமைத்த ஒற்றைக் கற்கோவில் உள்ளது. மாமல்லபுரத்தில் ஒற்றைக் கற்கோவில்கள் எனப்படும் ஐந்து கல் ரதங்கள், அங்கு முன்பிருந்த குன்றைச் செதுக்கி அமைக்கப்பட்டனவாகும். கழுகுமலை வெட்டுவான் கோவிலும் மலையைக் குடைந்து அமைக்கப்பட்ட ஒரு கற்கோவிலாக இருப்பினும், இக்கோவில் வடிக்கப்பட்ட பின், துண்டிக்கப்பட்ட மலையும் கோவிலருகில் காணும்படியாக உள்ளது. இதுபோன்ற அமைப்புள்ள கற்கோவில் தமிழகத்தில் இது ஒன்றுதான்.

மலையின் உச்சிப்பகுதி, செதுக்கப்பட்டு, கோவிலின் விமானப் பகுதியாக அமைந்திருப்பதையும், கோவில் உருவான பின், வெட்டி எடுக்கப்பட்ட மலையின் அடிப்பாகம் கோவிலின் பிரகாரமாகவும் அமைந்துள்ளது. துண்டிக்கப்பட்ட மலையின் உச்சியிலிருந்து பார்க்கும்பொழுது, மலையில் செதுக்கி அமைக்கப்பட்ட 'வெட்டுவான் கோவில்' பள்ளத்தில் உள்ளதுபோல் காட்சியளிக்கிறது. இதுபோன்ற கோயிற்கலை அமைப்பு தமிழகத்தில் வேறெங்கும் இல்லை.

மகாராஷ்டிர மாநிலத்திலுள்ள, இராஷ்டிரகூடர்களால் உருவாக்கப்பட்ட எல்லோராவில் கைலாசநாதர் கோவிலில் இதுபோன்று காணப்படுவதால் கழுகுமலை வெட்டுவான் கோவில் 'தென்னக எல்லோரா' எனப்படுகிறது. வெட்டுவான் கோவிலில், ஓர் இந்துக் கோவிலுக்குரிய அம்சங்களான, பிரகாரம், அதிட்டானம், விமானம், கருவறை, அர்த்த மண்டபம், தெய்வங்கள்



ஆகிய யாவும், மலைப்பாறையிலேயே அமைக்கப்பட்டுள்ளன. கற்கோவிலுக்கும், மலைக்கும் இடையிலுள்ள குடைந்தெடுக்கப்பட்ட பகுதி, கோவிலின் வெளிப்பிரகாரமாக உள்ளது. கருவறையும், அர்த்த மண்டபமும், மலையின் உட்பகுதி குடையப்பட்டு அமைக்கப்பட்டுள்ளன. மலையைக்குடைந்து பெரிய கற்கோவிலை அமைத்த பாண்டிய நாட்டுச் சிற்பியின் திறமைதான் என்னே!

▣ அமைப்பு

கமுகமலையில் மலைப்பகுதியில் குடையப்பட்டுள்ள நிலையில் வெட்டுவான்கோயில் மலைப்பகுதியில் அமைந்துள்ள இக்கோயில் ஒரே கல்லால் ஆனதாகும். கருங்கல்லைக் குடைந்து இக்கோயில் அமைக்கப்பட்டுள்ளது. கமுகமலையில் ஏறி நடந்து செல்லும்போது இக்கோயில் கண்ணுக்குத் தெரியாது. சற்றே தாழ்ந்த தளத்தில் சுமார் 10 அடி இறக்கத்தில் இறங்கியே இக்கோயிலுக்குச் செல்ல முடியும். ஒரு சிறிய கோயிலில் கருவறையுடன் கூடிய விமானம் எவ்வாறு அமையுமோ அந்த அளவு இக்கோயில் காணப்படுகிறது.

விமானத்தின் அடிப்பகுதியும், அர்த்தமண்டபமும் முற்றுப்பெறா நிலையில் உள்ளன. விமானத்தின் உச்சிப்பகுதி முற்றுப்பெற்று அழகுடன் காட்சியளிக்கிறது. விமானத்தின் உச்சிப்பகுதியில் நான்கு பக்கங்களிலும் சுமார் 100 சிற்பங்கள் உள்ளன. கோபுரங்களில் பொதுவாகக் காணப்படும் சுதைச் சிற்பங்கள் இங்கு கருங்கல்லில் வடிக்கப்பட்டுள்ளன. இங்குக் காணப்படும் தட்சிணாமூர்த்தி, விஷ்ணு, பிரம்மா, சிவன் ஆகிய திருவுருவங்கள், நந்தியின் உருவங்கள் ஆகியவை இக்கோவில் சிவனுக்காக வடிக்கப்பட்டதைக் காட்டுகிறது. யாளிகள், பூதகணங்கள், நடனமாதர் உருவங்கள், தாமரை மலரின் விரிந்த உருவம் ஆகியவை விமானத்தில் காணப்படும் அழகிய இதர சிற்பங்கள் ஆகும். கருவறையில் இக்காலத்தில் விநாயகரின் திருவுருவம் உள்ளது.

கமுக மலை வெட்டுவான் கோவில்

தமிழத்தில் ஈடுஇணையற்ற ஒற்றைக் கற்கோவிலாக விளங்குகிறது.

பாண்டிய மன்னர்கள் நமக்கு விட்டுச் சென்றுள்ள ஒப்பற்ற

கலைக் கருவூலமாக இது காட்சியளிக்கிறது.

▣ சிற்பங்கள்



சமணச் சிற்பங்கள்

வெட்டுவான் கோவிலுக்கு அருகிலுள்ள மலைப்பாறையில் சமணச் சிற்பங்கள் பல உள்ளன. இச்சிற்பங்கள் கி.பி. 8ஆம் நூற்றாண்டில் பாண்டிய மன்னன் பராந்தக நெடுஞ்சடையன் காலத்தில் அமைக்கப்பட்டன. இச்சிற்பங்கள், இம்மலை ஒரு காலத்தில் ஒரு சிறந்த சமண மையமாக விளங்கியிருக்க வேண்டும் என்பதைக் காட்டுகிறது. கழுகு மலையில்தான் தமிழ்நாட்டிலேயே சமணச் சிற்பங்கள் அதிகம் உள்ளன எனலாம். கழுகு மலைச் சமணச் சிற்பங்கள் இம்மலையில் மூன்று தொகுதிகளாகக் காணப்படுகின்றன. இச்சிற்பங்களின் அடியில் வட்டெழுத்துக் கல்வெட்டுகள் உள்ளன. நேமிநாதர், பர்ஸ்வநாதர், மகாவீரர் மற்றும் பல சமண தீர்த்தங்கரர்களின் அமர்ந்த நிலையிலுள்ள சிற்ப உருவங்களும், யக்ஷர், யக்ஷி ஆகியோர் சிற்பங்களும் இங்கு உள்ளன. தீர்த்தங்கரரின் தலைக்கு மேற்பகுதியில் முக்குடையும் கொடி போன்ற அமைப்பும், யக்ஷிகளின் கரங்களில் சாமரங்களும் அழகுறச் செதுக்கப்பட்டுள்ளன. குணசாகரப் படாரர் என்னும் சமணப் பெரியாரும் இன்னும் பலரும் இங்கு வாழ்ந்துள்ளனர். இறந்து போன சமணத் துறவிகள்(குரவர்கள்), அவர்களது சீடர், தந்தை, தாய், பிள்ளைகள் ஆகிய பலரின் நினைவாக இங்குச்சிற்ப உருவங்கள் காணப்படுகின்றன. கழுகு மலையில் காணப்படும் சமணப் புடைப்புச்சிற்பங்கள் அழகுமிக்கவை. இவை நமது அரிய கலைச்செல்வங்களாகும்.





*SANSKRIT
SECTION*

70. मैत्रीपरीक्षा

पुरा एकस्मिन् ग्रामे उभौ सुहृदौ वसतः। तयोः एकस्य नाम नरेन्द्रः इति । एकदा तौ अरण्यमार्गेण दूरस्थितवन्तौ । मार्गायासेन तौ एकस्य वृक्षस्य छायायाम् उतविष्टौ । तदा एव एकः भल्लूकः तयोः समीपम् आगतः । तं भल्लूकं दृष्ट्वा तौ भीतौ । एकं वृक्षं आरोढुं तौ प्रयत्नं कृतवन्तौ ।

कृशशरीरः श्यामः सहसा वृक्षम् आरुह्य शाखायाः उपरि उपविष्टवान् । स्थूलः नरेन्द्रः वृक्षम् आरोढुम् अशक्तः मित्रस्य साहाय्यं याचितवान् । परन्तु स्वार्थतत्परःश्यामः तस्य साहाय्यं न कृतवान् । तदा नरेन्द्रः यद् भावि तद् भवतु इति निश्चित्य श्वासान् निगृह्य भूमौ शववत् शयितवान् ।

भल्लूकः तस्य समीपम् आगतवान् । सः नरेन्द्रस्य मुखं नासिकां च अजिघ्रत् तं मृतं मत्वा दूरं गतः। अनन्तरं नरेन्द्रः भूमेः उत्थितः। तदा श्यामः अपि वृक्षात् अवतीर्य तस्य समीपम् आगतवान् नरेन्द्रं पृष्टवान् च- मित्रं भल्लूकः तव कर्णे किं कथितवान् इति । नरेन्द्रः उक्तवान् - यः आपदि मित्रं त्यजति तेन सह मैत्रीं मा कुरु इति भल्लूकः मां कथितवान् इति ।

एतत् श्रुत्वा श्यामः लज्जया नम्रमुखः सञ्जातः ॥

- VARDHANA.P

XII - A



71. उपायशक्तिः

“उपायेन हि यच्छक्यं न तच्छक्यं पराक्रमैः।

शृगालेन हतो हस्ती गच्छता पङ्कवर्त्मना” ॥

आसीत् ब्रह्मारण्ये कर्पूरतिलको नाम हस्ती । तमवलोक्य सर्वे शृगालाः चिन्तयन्ति स्म, यद्ययं केनाप्युपायेन म्रियते तदा अस्माकं एतद्देहेन मासचतुष्टयस्य स्वेच्छया भोजनं भविष्यति इति । तत्रैकेन वृद्धशृगालेन प्रतिज्ञातं, मम बुद्धिप्रभावादस्य मरणं साधयिष्यामि इति ।

अनन्तरं सः वञ्चकः वृद्धशृगालः कर्पूरतिलकसमीपं गत्वा साष्टाङ्गपातं प्रणम्योवाच, देव, दृष्टिप्रसादं कुरु । हस्ती अब्रवीत्, कस्त्वम् कुतः समायातः सोऽवदत्, जम्बुकोऽहम् । सर्वैर्वनवासिभिर्मिलित्वा भवत्काशं प्रस्थापितः । यद्विना राज्ञावस्थातुं न युक्तं तदत्राटवीराज्ये अभिषेक्तं भवान् सर्वस्वामिगुणोपेतः निरूपितः । यतः

“यः कुलाभिजनाचारैरतिशुद्धः प्रतापवान् ।

धार्मिको नीतिकिशलः स स्वामी युज्यते भुवि” ॥

तद्यथा लग्नवेला न विचलति तथा कृत्वा सत्वरमागम्यतां देवेन इत्युक्त्वोत्थाय चलितः।

ततोऽसौ राज्यलोभावृष्टः कर्पूरतिलकः शृगालवर्त्मना धावन् महापङ्के निमग्नः। ततस्तेन हस्तिनोक्तं, सखे, शृगाल, किमधुना विधेयम् पङ्के निपतितोऽहं म्रिये। परावृत्य पश्य इति। वृद्धशृगालेन विहस्योक्तं, देव, मम पुच्छकावलम्बनं कृत्वोत्तिष्ठ । यत् मद्बिधस्य वचसि त्वया प्रत्ययः कृतः। तदनुभूयतामशरणं दुःखम् इति । ततो महापङ्के निमग्नोऽयं कर्पूरतिलकः सर्वैः शृगालैर्भक्षितः ॥

- INDHUJA.N

XII-B



72. प्रत्युत्पन्नमतिः

काशी नगरस्य प्रतिष्ठापकः ब्रह्मदत्तनामकः भीपतिः नितरां सहृदयः मानवस्नेही च आसीत् । स्वप्रजासु अनाचारान् अन्धविश्वासान् च दूरीकर्तुं सः सर्वथा यतते स्म । अस्य शासने जनाः शान्तिं सुखं च अन्वभवन् । तम् अधिकृत्य बहवः कथा प्रचलिताः वर्तन्ते ॥

एकदा कश्चन ज्यौतिषिकःकाशीनगरं आगच्छत् । तत्र तत्र ज्यौतिषप्रवचनेन सः जनान् आकर्षत् । ज्यौतिषिकाणां भविष्यवचनेषु ईषदपि विश्वासः महारजस्य मनसि न आसीत् । अतः एव सः ज्यौतिषिकं प्रति क्रुद्धः अभवत् । राजा तं राजगृहं प्रति आहूतवान् ।

दैवज्ञः ब्रह्मदत्तस्य तीक्ष्णं दण्डविधिं पूर्वमेव श्रुतवान् आसीत् । भयाकुलः सः राजगृहम् अगच्छत् । मिथः भाषणेन तयोः परिचयः जातः । अपि तव भनिष्य वचनानि सत्यानि भवेयुः इति राजा तमपृच्छत् । ज्यौतिषिकःवेपमानः प्रत्यवदत् शास्त्रानुसारिणि मम वचनानि । शस्त्रं सत्यं चेत् तानि फलष्यन्ति इति । तं निर्जेतुमिच्छन् , राजा तमवदत् - रे ज्यौतिषिक शास्त्रमनुसृत्य मम आयुर्द्वैध्यं गणय इति । सःज्यौतिषिकस्तु यथावत् सर्वम् अगणयत् । राजा अल्पायुः इति ज्ञात्वा वितरामखिद्यत च । निर्बन्धपूर्वं नृपेण पृष्टः सः भवान् अल्पायुः इति सखेदं न्यवेदयत् । तदाकर्ण्य क्रुद्धः राजा कोशात् खड्गमुद्धरन् अपृच्छत् - रे ज्यौतिषिक अन्येषां गणयन् त्वं आत्मनः आयुः न अगणयः किम् इति । नितरां भीतः दैवज्ञः यदि दीर्घायुषं आत्मानं वदेयं तर्हि झटित्येव मां हनिष्यति । ज्यौतिषिण् असत्यं च भविष्यति । यदि आत्मानम् अलपायुषं वदेयं तर्हि शास्त्रम् असत्यम् इति समर्थयितुं मां कारागृहे निक्षिपेत् । एवं चिन्तयन् सः झटिति न्यवेदयत् मम आयुः भवतः निश्चयम् अनुसरेत् इति शास्त्रदृशा पश्यामि इति ॥

ज्यौतिषिकस्य प्रत्युत्पन्नमत्या नितरां तुष्टः ब्रह्मदत्तनृपतिः तस्मै पारितोषिकं प्रायच्छत् ॥
अतः -

॥ प्रत्युत्पन्नमतिः धीरः तरत्यापदमागताम् ॥

- AKSHAYA NANDHINI.K. S

XII-C



73. धर्मशास्त्रम्

“धर्मो विश्वस्य जगतः प्रतिष्ठा “

विश्ववासिनां जनानामभ्युदयिनः श्रेयससिद्ध्यर्था । जगति विराजमानस्य धर्मस्य महती प्रतिष्ठा । स्वावयवार्थं प्रतिपादकत्वेऽपि धर्मसूत्रं भारतीयानां प्राणभूतवेदस्य बहुत्र बहुष्वर्थेषु प्रयुक्तम् । भारतीयाः सनातनधर्मं दृढं विश्वसन्ति । तदनुसारं वेद एव अस्माकं संस्कृतेः प्राचीन प्रमाणरूपेण स्वीकृतः । वेदस्य परमं प्रामाण्यं सर्वैः स्मृतिकारैः मन्वादिभिरपि स्वीकृतमस्ति ॥

- MEDHINI S PILLAI

XI-A

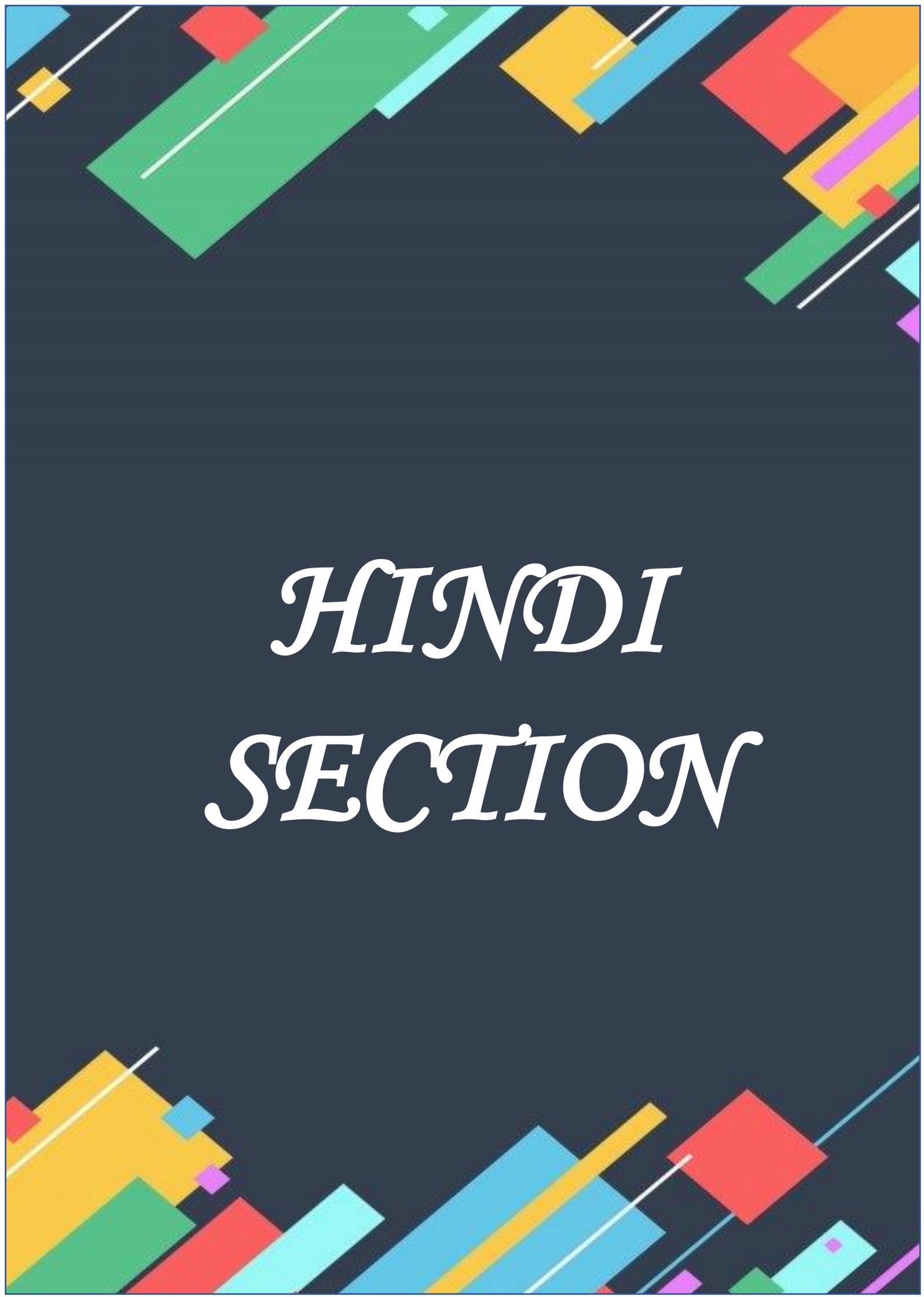
74. सूर्यशक्तिः

सूर्यस्य किरणाः प्रखराः प्रचण्डाश्च वर्तन्ते । एषः सर्वेभ्यः प्रकाशं जीवनञ्च प्रयच्छति । सूर्यस्य सहस्रकिरणाः विषमान् कीटाणून् विनाशयन्ति । उष्णैः किरणैः सूर्यः सागरं प्रताप्य तस्य जलं वाष्पीकृत्य मेघरूपेण उपरि उत्थाप्य क्षेत्राणि सिञ्चति । एतेन प्राणिभ्यः अन्नफलानि च उपलभ्यन्ते। सूर्यस्य प्रकाशेन वृक्षा सस्यानि च वर्धन्ते । अधुना विज्ञानस्य प्रयत्नेन सौरतापमाध्ययेन भोजनं पक्तुं शक्यते, यानानि च चालयितुं शक्यन्ते ॥

- SHREE THARANI T K

XI- B





*HINDI
SECTION*

75. मनुष्य का घमंड

‘घमंड’ इस शब्द का अर्थ अहंकार। किसीको कभी भी घमंड नहीं करना चाहिए, क्योंकि घमंड के कारण विवेक नष्ट हो जाता है। तुच्छ प्रतीत होनेवाले तिनका भी जब मनुष्य की आँख में पड़ जाता है, तो वह कष्टदायी होता है। अर्थात् सूखी घास का टुकड़ा भी मनुष्य के घमंड को तोड़ने के लिए काफी है। घमंड से भरा व्यक्ति अपने आपको श्रेष्ठ समझता है।

ऐसा व्यक्ति एक दिन मुंडेर पर खड़ा होकर एँट रहा था। उस समय अचानक कहीं से एक तिनका हवा में उड़ता हुआ आया और उसकी आँख में पड़ गया है। तिनके के कारण उसकी आँख लाल हो गया था। वह दर्द से कराहने लगा। लोग उसका उपचार करने लगे। कपड़े मूँठकर गर्म हवा से आँख सँकने लगे। उस समय उसका घमंड दबे पाँव चला गया।

घमंड मनुष्य का सबसे बड़ा शत्रू, क्योंकि घमंड मनुष्य को सर्वनाश करके छोड़ता है। घमंड करने से कोई लाभ नहीं है। वह मनुष्य के विवेक को हर लेता है। उसकी बुद्धि को भ्रष्ट कर देता है। इस उक्ति पर मुझे एक कहानी स्मरण हो रही है।

एक बार राजपुर में एक राजा रहते थे। उनकी प्रजा उसको वीर बादशाह राना सिंह कहकर बुलाती थी। राजा ने अपने राज्य में सुख और शान्ति बनाई हुई थी। राजा की एक ही पेशानी थी चंदनपुर का राजा। चंदनपुर का राजा धनवीर सिंह



अति बलवान , और शक्तिशाली था। धनवीर सिंह राजपुर पर हमला करने में असमर्थ था क्योंकि रानसिंह ने बाकि राज्यों से गहरी मित्रता कर रखी थी।

राना सिंह का एक इकलौता पुत्र था। उसका नाम गधा सिंह था। दुलार प्यार ने उसे घमंडी बना दिया था। उसकी सब वस्तुएँ और वस्त्र विदेश से आते थे। वह राजा का पुत्र होते हुए समझता था कि वह सबकुछ कर सकता है। यही विचार से वह हर कार्य करता और किसी की बात न सुनता। अपनी कक्षा में तीव्र बुद्धि वाले छात्रों का अपहरण करवा देता। कोई अध्यापकों को सम्मान नहीं देते और जो कोई उसकी बात न सुनता । धीरे-धीरे वह बड़ा हो गया। उसका व्यवहार एकदम बदलने लगा। वह अब अपने पिता पर क्रोध करने लगा और उनकी बातों का विरोध करने लगा। राजा ने अपने पुत्र को महल के कमरे में हमेशा बंद करवाने को कहा।

किसी तरीके से गधा सिंह ने कमरे का किवाड़ तोड़ा। तलवार ली और अपने पिता का कत्ल करके अपने आप को राजा घोषित किया । रानवीर सिंह इसी अवसर की प्रतीक्षा कर रहा था। प्रजा की समस्याओं का निदान नहीं करता था। मनोरंजन के लिये मासूम लोगों को जानवरों से लड़ने के लिये कहता। प्रजा को नौकर की तरह रखता। रोज 10 युवकों को बुलाता और उन्हें खूब मारता जब तक वह कहते नहीं कि गधा सिंह सबसे धनवान और ताकतवर है और वह अभी तक का सबसे अच्छा राजा है। उसकी सेना भी उससे चिड़ने लगे । आसपास के राज्यों को पत्रों में लिखता कि वह उसे अपने राज्य सौंप दें वरना वह उनको शेरों को दे देगा जब वह उनपर वार करेगा । धनवीर सिंह को लिख दिया कि वह राजा के रूप में गधा है



और सिर्फ बोलना जानता है। धनवीर सिंह क्रोधित हो गये। अपनी सेना ली और गधा सिंह का सर्वनाश करने को कहा। बाकि राज्यों की सेना भी मिल गई। गधा सिंह की सेना ने लड़ने को मना कर दिया और धनवीर सिंह से मिल गई। गधा सिंह न शहर के किवाड़ बंद न करवाने को कहा परंतु प्रजा ने आज्ञा का पालन नहीं किया। गधा सिंह पकड़ा गया। उसका घमंड अभी तक नहीं गया। उसने कहा कि वह उन्हें पैसे दे रहा है ताकि वे नौकर बन जाये। क्रोधित होकर धनवीर सिंह ने उसका सिर काट दिया। घमंड ने गधा सिंह का सर्वनाश कर दिया।

इसलिए कभी भी घमंड नहीं करना चाहिए क्योंकि घमंड के कारण विवेक नष्ट हो जाता है । और हमारे जीवन को घमंड सर्वनाश करते हैं।

- PRITIKA. R
VIII – B

76. पेड़ का महत्व

धरती की बस यही पुकार,

पेड़ लगाओ बारम्बार।

आओ मिलकर कसम खाएं,

अपनी धरती हरित बनाए।

धरती पर हरियाली हो,



जीवन में खुशहाली हो।

पेड़ धरती की शान है,

जीवन की मुस्कान है।

पेड़ पौधों को पानी दे,

जीवन की यही निशानी दे।

आओ पेड़ लगाए हम,

पेड़ लगाकर जग महकाकर।

जीवन सुखी बनाए हम,

आओ पेड़ लगाएं हम।

- AYISHA SIDDIKA. S

VIII – A





SPORTS RESULTS



ANNUAL SPORTS MEET - 2019 - 2020

The 26th Annual Sports Festival was celebrated jointly by D.A.V Group of schools, Coappear on 30th July, 2019 at Jawaharlal Nehru Stadium, Chennai. The celebration was marked with pomp and magnificence.

The Chief Guest Shri. SHRL ROY K MANI SAF Games Gold medallist and Asian Masters Athletic Meet, Bronze Medallist, delivered the sports message and declared the Sports Meet open. In his address he advocated the need for excelling in sports as it prepares an individual to face success and failure stoically and also develop the right team spirit.

The programme commenced with an impressive March Past led by the captains of the four houses. The Mass Drill performed by the students of VI, VII, VIII captivated the audience.

Victory Belongs to The Most Persevering



Kudos to The Takshasila Team for Winning the Overall Championship



SPORTS ACHIEVERS 2019 - 2020



TEAJASREE. D
STATE LEVEL TENNIS PLAYER



BHARGAVI. G
STATE LEVEL CHESS PLAYER



BHAVYA. G
STATE LEVEL TABLE TENNIS PLAYER



PRAJEESH B. U
STATE LEVEL CHESS PLAYER



SIDDHESH.B. U
STATE LEVEL CHESS PLAYER



SPORTS AND GAMES ACHIEVEMENTS - 2019 - 2020

Players that learn the value of hard work, commitment, team work and sacrifice are the ones that make their teams great. – Tom Crean

Sports is a metaphor for overcoming obstacles and achieving against great odds. We endeavour to provide opportunities for our students to face different challenges not only as individuals, but also as a team to accomplish their goals. It is these opportunities that have transformed our students into players of State and National repute.

NATIONAL LEVEL

EVENT	VENUE	NAME	CLASS	POSITION
CHESS	ERNAKULAM	SIDDHESH.B. U	VII B	III
CHESS	ERNAKULAM	PRAJEESH. B. U	III B	III



STATE LEVEL

EVENT	VENUE & DATE	NAME	CLASS	POSITION
CHESS	JAWAHAR MHSS ASHOK NAGAR 14.05.2019 TO 18.05.2019	DHANYASHREE. H	VI B	--
CHESS	AVICHI MHSS VIRUGAMBAKAM 20.05.2019 TO 24.05.2019	PRAJEESH. B. U	III B	25 TH AMONG 247
CHESS UNDER-7	HYDERABAD 18.08.2019	PRAJESEH. B. U	III B	OUTSTANDING SPORTSMANSHIP
GRAND FINALE CHESS	HYDERABAD 25.08.2019	PRAJEESH. B. U	III B	I
REPUBLIC DAY CHESS	ERODE 30.10.2019	BHARGAVI. G	III A	PARTICIPATED
BHARATHIAR DAY ATHLETICS	TIRUNELVELI 14.11.2019	VARUN KRISHNA. V	XI A	PARTICIPATED
REPUBLIC DAY TABLE TENNIS U - 17	MADURAI 01.02.2020	TAEJAA SRI. D	IX A	PARTICIPATED
		BHAVYA. G	IX B	PARTICIPATED
CHESS	DHARMAPURI 1.2.2020 TO 5.2.2020	PRAJEESH. B. U	III B	VII



DISTRICT LEVEL

EVENT	VENUE & DATE	NAME	CLASS	POSITION
CHESS	AVICHI MHSS VIRUGAMBAKKAM 28.04.2019	BHARGAVI. G	III A	III
CHESS	ST. MARYS MHSS THIRUMULLAIVOYAL 01.06.2019	PRAJEESH. B. U	III B	II
CHESS	SRM HSS AMBATTUR 14.10.2019	BHARGAVI. G	III A	II
CARROM	SDAT THIRUVALLUR 17.10.2019	NEEDHICHELVAN. V	IV B	III
TABLE TENNIS DOUBLES U-17	24.10.2019	BHAVYA. G TAEJAA SRI. D	IX B IX A	WINNERS
BADMINTON DOUBLES	THIRUVALLUR 28.10.2019	HARSHADHA ANAND. S HARSINI KALPANA. R	VIII B VII B	RUNNERS
BADMINTON DOUBLES	28.10.2019	KUSHAALI. R AKSHAYA. E	XII C XI B	RUNNERS
SHOT PUT U-14	ATHLETIC MEET AVADI 31.10.2019	VAISHNAVI. P	VIII B	III
SHOT PUT U-17		MALAR VARSHINI.M. R	XI C	III
HIGH JUMP U-17		VARUN KRISHNA. V	XI A	I
CHESS	SDAT THIRUVALLUR 09.12.2019	SIDDHESH. B. U	VII B	II
OPEN CHESS	KOLATHUR 05.01.2020	SAI NETHRA. R	VII B	V
CHESS	06.01.2020	PRAJEESH. B. U	III B	II
CHESS	SDAT THIRUVALLUR 17.01.2020	PRAJEESH. B.U SIDDHESH. B. U	III B VII B	IV II



ZONAL LEVEL

EVENT & CATEGORY	VENUE & DATE	NAME	CLASS	POSITION
TABLE TENNIS [S] UNDER-14	SBIOA MODEL MHSS 06.08.2109	SUPRAJA. L.Y	VII B	WINNER
TABLE TENNIS [D] UNDER-14	SBIOA MODEL MHSS 06.08.2109	SUPRAJA. L.Y DHARSHINI. D	VII B	WINNERS
TABLE TENNIS [S] UNDER-17	SBIOA MODEL MHSS 06.08.2109	TAEJAA SRI. D	IX A	RUNNER
TABLE TENNIS [D] UNDER-17	SBIOA MODEL MHSS 06.08.2109	TAEJAA SRI. D BHAVYA. G	IX A IX B	WINNERS
TABLE TENNIS [S] UNDER-19	SBIOA MODEL MHSS 06.08.2109	ABINAYA. B	XI C	RUNNER
TABLE TENNIS [D] UNDER-19	SBIOA MODEL MHSS 06.08.2109	ABINAYA. B DHARANITHA.M. P	XI C XI B	RUNNERS
TABLE TENNIS [S] UNDER-17	SBIOA MODEL MHSS 06.08.2109	VIJAY SHANKAR .M	XI B	RUNNERS
TABLE TENNIS [D] UNDER-17	SBIOA MODEL MHSS 06.08.2109	VIJAY SHANKAR .M MITHUN M. S	XI B IX B	RUNNERS
CARROM [S] UNDER-17	SKDJ THIRUVARKADU 05.08.2019	RITHIKA. G	X A	RUNNER
CARROM [D] UNDER-17	SKDJ THIRUVARKADU 05.08.2019	RITHIKA. G SINDHUJA. K	X A	WINNERS



ZONAL LEVEL

EVENT & CATEGORY	VENUE & DATE	NAME	CLASS	POSITION
CARROM UNDER-19 [S]	SKDJ THIRUVERKADU 05.08.2019	BIBIANA CHRISTY. D	XII C	WINNER
CARROM UNDER-19 [D]	SKDJ THIRUVERKADU 05.08.2019	BIBIANA CHRISTY. D SAMEEHA. A	XII C XII A	WINNERS
CHESS UNDER – 11 [S]	GOVT. BOYS HSS MADURAVOYAL 08.08.2019	BARGAVI. G	III A	WINNER
CHESS UNDER – 11 [S]	GOVT. BOYS HSS MADURAVOYAL 08.08.2019	NANDHA KISHORE. S	V B	WINNER
CHESS UNDER – 11 [S]	GOVT. BOYS HSS, MADURAVOYAL, 08.08.2019	PRAJEESH. B. U	III B	RUNNER
BASKET BALL UNDER – 17	VMHSS MOGAPPAIR 09.08.2019	MAYA SHARMA ASMITHA. Y.S VAISHNAVI. E RITHIKA. S SINDHUJA. K LOKSHIDHA. S RAJALAKSHMI. R RITHIKA. G KRIPASTRI. D POOJA.G.S.	IX A IX A IX A IX A X A X A X B X A X A IX B	RUNNERS
BASKET BALL UNDER – 14	VMHSS MOGAPPAIR 09.08.2019	JAISHREE. V EVANGELIN. G.J MOHANA PRIYA .M SANJANA SREE. R GEETHA PRIYADARSHINI. V PADMASHREE. S SUJITHRA. D KEERTHI SHREE VARMAN. I	VIII A VII A VIII A VIII A VIII A VI B VIII A VIII B	RUNNERS



EVENT & CATEGORY	VENUE & DATE	NAME	CLASS	POSITION
BADMINTON UNDER-14 [D]	VELAMMAL ANNEXURE 17.08.2019	HARSINI KALPANA. R	VII B	WINNERS
		HARSHADHA ANAND. S	VIII B	
BADMINTON UNDER-19 [S]		KUSHAALI. R	XII C	WINNER
BADMINTON UNDER-19 [D]		KUSHAALI. R	XII C	WINNERS
		AKSHAYA. E	XII B	
BASKET BALL UNDER – 14	MGR ADARSH MHSS 28.08.2019	MUKESH. G.R SRI HARISH. J.P AUXIN SAM.K. A SANJAY. S PADMASHYAM JAIN. J YOJIT SARAN. D.G DHAYABARAN. ASV RISHIKANTH.S ASHOK. P SUBHAVASAN. G	VI A VII B VIII A VIII A VII B VI A VIII A VIII A VIII A VII A	RUNNERS
FOOT BALL UNDER – 14	MGR ADARSH MHSS 28.08.2019	HARI KRISHNAN. S DEEPAN RAJ. P KATHIRR.M. S SANJAI. D ADITHYA DASA. T.D.V.K MOHAMED KAMIL.M. J RAJARAJAN. S MOHIT SARVESH. L.B SANJAY. A GURU PRAKASH. A.S KIBS.C.V. R SIVA. S	VIII B VIII B VIII A VIII B VIII B VIII B VIII B VIII B VIII B VIII B VI A VIII A VIII B	WINNERS
FOOT BALL UNDER – 17	MGR ADARSH MHSS 28.08.2019	VIGNESH. A ARAVINTAKSHAN.N. G SHYAM SUNDAR.K. P DRAVID JOSEPH. J SURYAPRAKASH.S DHANUSH. P CHARUKESHAWAR.S. I ROZARIO. D SANTHOSH.K	X B X A X A X A X A X A X A XI C XI C XI C	RUNNERS



		RISHVANTH.E RETHISH. G.B SURJIT.A VIVEK. D AKSHATH MUTHESH. K DURGA KUMAR.K. J	XI B XI C XI C IX B IX B XI C	
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ZONAL LEVEL - ATHLETICS

EVENT & CATEGORY	VENUE & DATE	NAME	CLASS	POSITION
SHOT PUT UNDER – 14	VELAMMA MHSS 26.08.2019	EVANGELINE. G. J	VII A	II
SHOT PUT UNDER – 14		VAISHNAVI. P	VIII B	I
DISCUS UNDER – 14		VAISHNAVI. P	VIII B	I
HIGH JUMP UNDER – 17		VARUN KRISHNA. V	XI A	II
DISCUS UNDER – 17		VIJAY SHANKAR .M	XI B	II
SHOT PUT UNDER – 17		VARUN KRISHNA. V	XI A	II
HIGH JUMP UNDER – 17		SUDARSHAN. N	IX B	III
SHOT PUT UNDER – 19		MALAR VARSHINI.M. R	XI C	I
DISCUS UNDER – 19		MALAR VARSHINI.M. R	XI C	III



INTER DAV TOURNAMENTS

EVENT	VENUE	NAME	CLASS	POSITION
CHESS	DAV BOYS' SENIOR SEC SCHOOL MOGAPPAIR 28.08.2019	SIDDESH. B.U	VII B	I
		DHANYASHREE .H	VI B	II
CHESS	DAV MHSS MOGAPPAIR 03.09.2019	SIDDESH. B.U	VII B	I
		PRAJEESH. B.U	III B	I
		DHANYASHREE .H	VI B	II
		BHARGAVI. G	III A	III
TABLE TENNIS	DAV BOYS' SR SEC SCHOOL GOPALAPURAM 26.11.2019	TAEJAA SRI. D	IX A	VALUABLE PLAYER
		VIJAY SHANKAR .M	XI B	VALUABLE PLAYER
YOGA	D.A.V BOYS' SENIOR SEC SCHOOL MOGAPPAIR 03.01.2020	VISHNUPRIYA. R	IV B	II
4 X 50 MTS RELAY	D.A.V BOYS' SENIOR SEC SCHOOL MOGAPPAIR 23.01.2020	NITHYA SRI. R RAKSHANA. S SADHANA. R TARIKA. M	IV B	II



EVENT	VENUE	NAME	CLASS	POSITION
4 X 50 MTS RELAY	D.A.V BOYS' SENIOR SEC SCHOOL MOGAPPAIR 23.01.2020	ADITHI VALAVAN JAISHNAVI S.V RAGHAVI. B SHIVANI.S	V	II
4 X 50 MTS RELAY		BHARATH RAJ. P ROHAN SAILESH. T SAI PRASAATH. M DEVESHWAR. D	IV B IV B IV B IV A	III
100 MTS DASH HIGH JUMP		JAISHNAVI. S.V	V A	III I
50 MTS DASH		TEEKSHNA. S	I B	I
HURDLES		HAREESH. J	I am	III
THROWING THE CRICKET BALL		SAI RAKSHITHA. I RASHMITHA. S	II A I am	I III
HURDLES		JOSHINI. D	III B	III



EVENT	VENUE	NAME	CLASS	POSITION
LONG JUMP	D.A.V BOYS' SENIOR SEC SCHOOL MOGAPPAIR 24.01.2020	PREETHIKA .C	III B	III
SHOT PUT		SUSHMA SREE VARMAN. I	V A	I
50 M - DASH 50 M- HURDLES		PIRAKSHIDHA VASHINI. T	II A	I II
75 MTS		SAIPRASATH .M	IV B	III
SHOT PUT		PRATHIKSHA. A	VIII A	III
DISCUS		ASHOK. P	VIII A	I
DISCUS		VAISHNAVI. P	VIII B	I
LONG JUMP		ANUSHIKA .C	VII B	III

EVENT	VENUE	NAME	CLASS	POSITION
SHOT PUT	D.A.V BOYS' SENIOR SEC SCHOOL MOGAPPAIR 24.01.2020	PADMA SHREE.S	VI B	I
SHOT PUT		EVANGELINE. G. J	VII A	I
200 MTS		MONICA. E	VI B	III
4 X 100 MTS RELAY		SNEHUL GUPTA TANISHA. S MONICA. E RAGAVI. D	VI B	III
4 X 100 MTS RELAY		TANUSHIKA .C DHARSHINI. D SHREE. R EVANGELINE. G. J	VII B VII B VII A VII A	III
25 MTS		D.A.V BOYS' SENIOR SEC	DEEKSHANA. P DAKSHESH. K ANUSH. N	LKG - B UKG - B LKG - A



STACKING THE BARRELS	SCHOOL MOGAPPAIR 23.01.2020	DIYAA. S	UKG – A	II
		AKHILESH. S	UKG – B	III
ARRANGING THE TODDLER RINGS		AGILESH. G	UKG – A	II
		DEEKSHANA. P	LKG – B	III

SPORTS - OTHER ACHIEVEMENTS - 2019 - 2020

EVENT	VENUE	NAME	CLASS	POSITION
INTER SCHOOL CHESS	SBIOA MODEL MHSS MOGAPPAIR 10.06.2019	SIDDHESH. B. U	VII B	III
INTER SCHOOL CHESS	SBIOA MODEL MHSS MOGAPPAIR 10.06.2019	PRAJEESH. B. U	III B	VIII
CHESS	SBIOA MODEL MHSS MOGAPPAIR 16.06.2019	BHARGAVI. G	III A	VIII
CHESS	CHENNAI 29.06.2019	DHANYASHREE. H	VI B	VI
CHESS	ANNAI MHSS 30.06.2019	SIDDHESH. B. U	VII B	VII
CHESS	ANNAI MHSS 30.06.2019	PRAJEESH. B. U	III B	II
CHESS	SBOA MHSS 6.07.2019 – 7.07.2019	SIDDHESH. B.U PRAJEESH. B.U BHARGAVI. G	VII B III B III A	I VIII VII
CHESS	SBIOA MHSS 31.07.2019	DHANYASHREE .H	VI B	III
SHOTPUT	TALENT RESEARCH DEVLOPMENT PRIMESPORTS 05.07.2019	SUSHMA SHREE VARMAN. I	V A	I



STATE LEVEL YOGA	SRIPERUMBUDUR YOGA EDUCATION & SPORTS ACADEMY 28.07.2019	ROHITH. R	II A	I
STATE LEVEL KANCHI CHESS TOURNAMENT	VALLUVAR KOTTAM 17.08.2019	BHARGAVI. G	III A	XIV

EVENT	VENUE	NAME	CLASS	POSITION
INTERNATIONAL GRAND MASTER OPEN TOURNAMENT CHESS	ATHENS OF EAST 10.08.2019 TO 13.08.2019	SIDDHESH. B. U	VII B	XV
STATE LEVEL KANCHI CHESS TOURNAMENT	VALLUVAR GURU MHSS 17.08.2019 TO 18.08.2019	DHANYASREE .H	VI B	V
SHOTPUT	PGE PUBLIC SCHOOL 25.08.2019	MITHRA SREE. D.S	VA	III
	KIDS ATHLETIC MEET 25.08.2019	MITHRA SREE. D.S	VA	I
LONG JUMP	TAMIL NADU STATE ATHLETIC ASSOCIATION 06.07.2019	MITHRA SREE. D.S	VA	II
SHOT PUT T	TAMIL NADU SPORTS DEVELOPMENT ASSOCIATION	MITHRA SHREE. D.S	V A	I
	THIRUVALLUR DISTRICT ATHLETIC MEET 06.07.2019	MITHRA SHREE. D.S	V A	I
	HIMA SPORTS NEHRU PARK 29.06.2019	MITHRA SHREE.D.S.	V A	II
50 MTS DASH	BATTALION GROUND AVADI 09.08.2019 10.08.2019	TANUSHREE. S. S	I A	III



EVENT	VENUE	NAME	CLASS	POSITION
BADMINTON	VELAMMAL ANNEXURE 01.09.2019	HARSINI KALPANA. R	VII B	III BRONZE
KARATE	RAJIV GANDHI INDORE STADIUM 03.08.2019 04.08.2019	LAKSHMISHREE .M	VI A	BROWN BELT II
SHOT PUT	BATTALION GROUND 19.10.2019	SUSHMA SHREE VARMAN. I	V A	I
CHESS	HARSHA TOYATA 20.10.2019	BHARGAVI. G	III A	I
YOGA	VELAMMAL VIDYALAYA VANAGARAM 20.10.2019	LITHISH. S	II A	I
CARROM UNDER- 14	SRI VIDYA NIKETAN AMBATTUR 23.10.2019	JUDIANA CHRISTY. D RITHIKA. G	X A X A	I
CARROM UNDER- 17		DHIYA. G GEETHA PRIYA DARSHINI. V	VIII A VIII A	I
RAPID RATING CHESS TOURNAMENT	VELAMMAL VIDYALAYA KARAMBAKKAM 03.11.2019	DHANYASHREE .H	VI B	II
		BHARGAVI. G	III A	I
CHESS	KODUNGAIYUR 11.11.2019	DHANYASHREE .H	VI B	III
CHESS	MAHATMA GANDHI CENTENARY VIDYALAYA - TRICHY 07.11.2019 TO 10.11.2019	PRAJEESH. B. U	III B	I
CHESS	SBIOA MHSS 14.11.2019	SAI NETHRA. R DHANYASHREE .H	VII B VI B	II
SHUTTLE BADMINTON DOUBLES	SBIOA MHSS 14.11.2019	HARSINI KALPANA. R ARDRA S KRISHNA	VII B VI B	III



CHESS	SDAT THIRUVALLUR 24.11.2019	SIDDESH. B. U	VII B	II
KARATE – KUMITE & KATA	NEELAKANDAN KEMPO KARATE 22.11.2019	HEMANTH KUMAR. K	II B	I
BADMINTON	RED FEATHER INVITATION 03.12.2019	ARDRA. S KRISHNA	VI B	WINNER

EVENT	VENUE	NAME	CLASS	POSITION
CHESS	SBIOA MHSS 03.12.2019	SIDDHESH. B.U	VII B	VII
		PRAJEESH. B. U	III B	VII
KIDS - OPEN STATE LEVEL ATHLETIC MEET 50 MTS DASH	BATTALION GROUND - AVADI 06.12.2019	PIRAKSHIDHA VASHINI. T	II A	I
KIDS – OPEN STATE LEVEL ATHLETIC MEET 30 MTS DASH		PIRAKSHIDHA VASHINI.T	II A	II
KIDS - OPEN STATE LEVEL ATHLETIC MEET-BALL COLLECTION		PIRAKSHIDHA VASHINI. T	II A	I RECEIVED INDIVIDUAL CHAMPIONSHIP
KIDS - OPEN STATE LEVEL ATHLETIC MEET-100 MTS		JAISHNAVI S.V.	V A	I
KIDS - OPEN STATE LEVEL ATHLETIC MEET-400 MTS		JAISHNAVI S.V.	V A	IV
INTERSCHOOL BADMINTON		TAMIL NADU MULTI SPORTS 06.01.2020	ARDRA S KRISHNA	VI B



RISHI INTERNATIONAL SCHOOL BADMINTON	04.01.2020	ARDRA S KRISHNA	VI B	III
CHESS	SBIOA MHSS 03.12.2019	PRAJEESH. B. U	III B	VII
VALLIAMMAI MEMORIAL CHESS FEDERATION	VIRUGAMBAKKAM 06.01.2020	PRAJEESH. B.U SIDDHESH. B. U	III B VII B	MERIT LIST MERIT LIST CASH AWARD RS 1500/-

EVENT	VENUE	NAME	CLASS	POSITION
HIGH JUMP	OPEN STATE LEVEL KIDS & JUNIOR ATHLETIC CHAMPIONSHIP 09.01.2020	JIYAA GUPTA	VIII B	I
		JAISHREE. B	VIII A	II
		TANUSHIKA .C	VII B	II
100 MTS		JAISHNAVI. S. V	V A	I
80 MTS		RAGHAVI. B	V A	III
LONG JUMP		RAGHAVI. B	V A	III
		ADITHI VALAVAN	V B	II
MEDICINE BALL THROW		NAVYAN. P	IV A	II
		HEMAVARSHINI. G	IV B	II

SHOT PUT	OPEN STATE LEVEL KIDS & JUNIOR ATHLETIC CHAMPIONSHIP 09.01.2020	SUSHMA SHREE VARMAN. I	V A	II
		MITHRA SREE. D.S	V A	III
75 MTS DASH		SAI PRASATH .M	IV B	III
50 MTS DASH		PIRAKSHIDHA VASHINI. T	II A	I
75 MTS DASH		PIRAKSHIDHA VASHINI. T	II A	I
SHOT PUT		EVANGELINE. G.J	VII A	II
100 MTS DASH		TANUSHIKA. C	VII B	III
ATHLETICS		V.SPORTS NEHRU PARK 10.01.2020	ADITHI VALAVAN	V B



EVENT	VENUE	NAME	CLASS	POSITION
ATHLETICS RELAY	V.SPORTS NEHRU PARK 10.01.2020	KAVISHNA. S JAISHNAVI .S.V KAVISHNA. S	V B V A V B	I
		SNEHUL GUPTA MONICA. E RAGAVI. D TANUSHIKA .C	VI B VI B VI B VII B	II
		DHARSHINI. D JAISHREE. B JIYAA GUPTA	VII B VIII A VIII B	III
ATHLETICS 100 MTS	V.SPORTS NEHRU PARK 10.01.2020	KAVISHNA. S PRITHIKA .C TANUSHIKA .C THARSHNU. S	V B III B VII B V A	I I II III
ATHLETICS 200 MTS		MONICA. E TANUSHIKA .C	VI B VII B	II II
ATHLETICS SHOT PUT	V.SPORTS NEHRU PARK 10.01.2020	KAUSHIKA LOGANATHAN PADMASHREE. S MITHRA SREE. D.S	VI B VI B V A	I I II
ATHLETICS		ADITHI VALAVAN	V B	I
ATHLETICS 75 MTS		PIRAKSHIDHA VASHINI. T	II A	I
ATHLETICS HURDLES		PIRAKSHIDHA VASHINI. T	II A	I
ATHLETICS 50 MTS		PIRAKSHIDHA VASHINI. T	II A	I

EVENT	VENUE	NAME	CLASS	POSITION
STATE TAEKWONDO	DON BOSCO SCHOOL OF EXCELLENCE 25.01.2020 26.01.2020	THIRUMARAN. R	II B	II
BADMINTON	MULTI SPORTS ACADEMY 26.01.2020	ARDRA S KRISHNA	VI B	WINNER



STATE LEVEL ATHLETIC 100 MTS 75 MTS	REAL SPORTS ACADEMY 25.01.2020	JAISHNAVI. S. V	V A	I II
STATE LEVEL ATHLETIC RUN WITH HOOP		AKHIL VALAVAN	II A	II

SKATING	SPEED SKATING FEDERATION OF INDIA - SGFI NIT -NAGPUR 25.1.2020 26.1.2020	PRITHWIN S. K	UKG B	III BRONZE MEDAL
RELAY				SILVER MEDAL
BADMINTON SINGLE	SATHISH SIVALINGAM INDOOR STADIUM MEL AYANAMBAKKAM 01.02.2020	ARDRA S KRISHNA	VI B	RUNNER
50 MTS 75 MTS	KALAM SPORTS ACADEMY 01.02.2020	SAIPRASATH .M	IV B	II
100 MTS 200 MTS		JAISHNAVI. S. V	V A	II
SHOT PUT		MITHRA SREE. D.S	V A	I
BALL COLLECTION 50 MTS		PRAKSHITHA VARSHINI. T	II A	I III
ATHLETICS 75 MTS 100 MTS		KIDS OLYMPIAD NEHRU PARK 06.02.2020	MONICA. E	VI B
75 MTS 100 MTS	JENISHA. S		VI B	III



TOPPERS

2019 - 2020



SSLC EXAMINATION RESULTS – MARCH 2020

SCHOOL FIRST



KAUSALYA O
487/500

SCHOOL SECOND



DEEPIKA S
481/500

SCHOOL THIRD



DEAKSHAT HARSHAN A
473/500



HSC – FIRST YEAR (+1) EXAMINATION RESULTS – MARCH 2020

BIOLOGY GROUP

SCHOOL FIRST



VARDHANA P
575/600

SCHOOL SECOND



SIBI RAAGHAV A
564/600

SCHOOL THIRD



SARASWATHI S
555/600



HSC – FIRST YEAR (+1) EXAMINATION RESULTS – MARCH 2020

COMPUTER SCIENCE GROUP

SCHOOL FIRST



ABINAYA B
581/600

SCHOOL SECOND



SURYA NARAYANAN K C
571/600

SCHOOL THIRD



SWETHA S
557/600



HSC – FIRST YEAR (+1) EXAMINATION RESULTS – MARCH 2020

CENTUM SCORERS

COMPUTER SCIENCE GROUP



ABINAYA B



JAYAVARSHITHA D



NIVETHA E



SWETHA S



HIRTHIK SAI S D



HSC – SECOND YEAR (+2) EXAMINATION RESULTS – MARCH 2020

BIOLOGY GROUP

SCHOOL FIRST



THRISHAL J
582/600

SCHOOL SECOND



ARUNA R
557/600

SCHOOL THIRD



VARSHINI U
542/600



KALAIVANI B
542/600



HSC – SECOND YEAR (+2) EXAMINATION RESULTS – MARCH 2020

COMPUTER SCIENCE GROUP

SCHOOL FIRST



SAHITHI M R
564/600

SCHOOL SECOND



HARINATH B
556/600

SCHOOL THIRD



AKSHAYA S
548/600



HSC – SECOND YEAR (+2) EXAMINATION RESULTS – MARCH 2020

CENTUM SCORERS

MATHEMATICS



THRISHAL J

COMPUTER SCIENCE



CATHERINE JENISHA SHIRLEY J A



CHARU V



HSC – SECOND YEAR (+2) EXAMINATION RESULTS – MARCH 2020

CENTUM SCORERS

COMPUTER SCIENCE



HARINATH B



KARTHICK ASHWIN R



KARTHIK R



KHISHORE B



KRITHISH KUMAR C



SAHITHI M R



HSC – SECOND YEAR (+2) EXAMINATION RESULTS – MARCH 2020

**CENTUM SCORERS
COMPUTER SCIENCE**



SANDEEP KUMAR T



SUJITHA KUMAR N



VASANTH R



Hall of FAME

NEET - Topper (2019 – 2020)



THRISHAL. J

Chengelpet Medical College

JEE MAIN - Toppers (2019 – 2020)



SHREE LAVANNYA.B

99.4%

B.Arch., NIT Trichy



KUSHAALI.R

98.3%

B.Arch.



ART SECTION



MEDHINI.S.PILLAI
XI-A



MEDHINI.S.PILLAI
XI-A



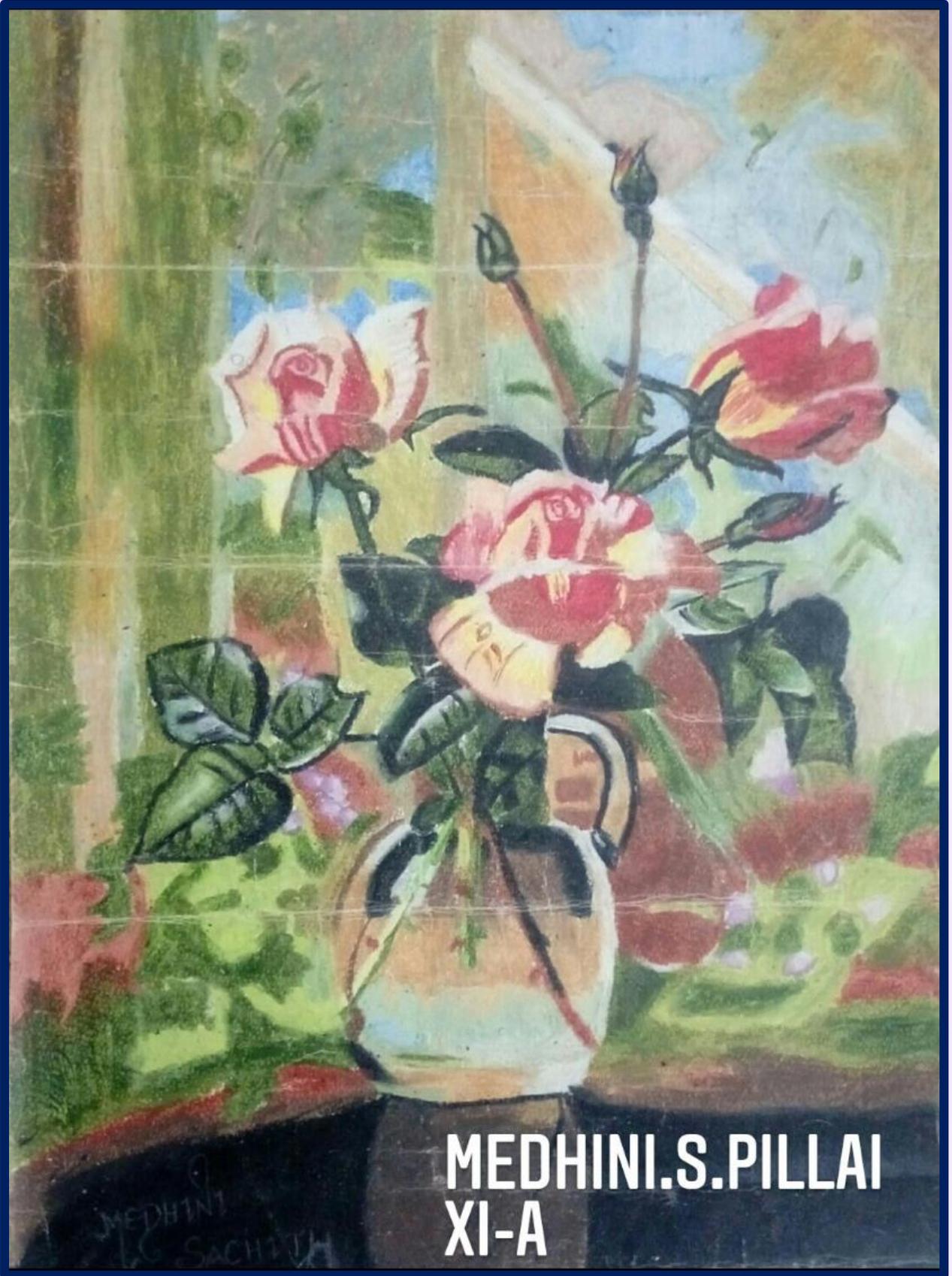


MEDHINI.S.PILLAI
XI-A



MEDHINI.S.PILLAI
XI-A





MEDHINI.S.PILLAI
XI-A



PRINCESS ZELDA



XI-A 12036

Danvantre A

- DANVANTRE. A
XII A





- DANVANTRE. A
XII A





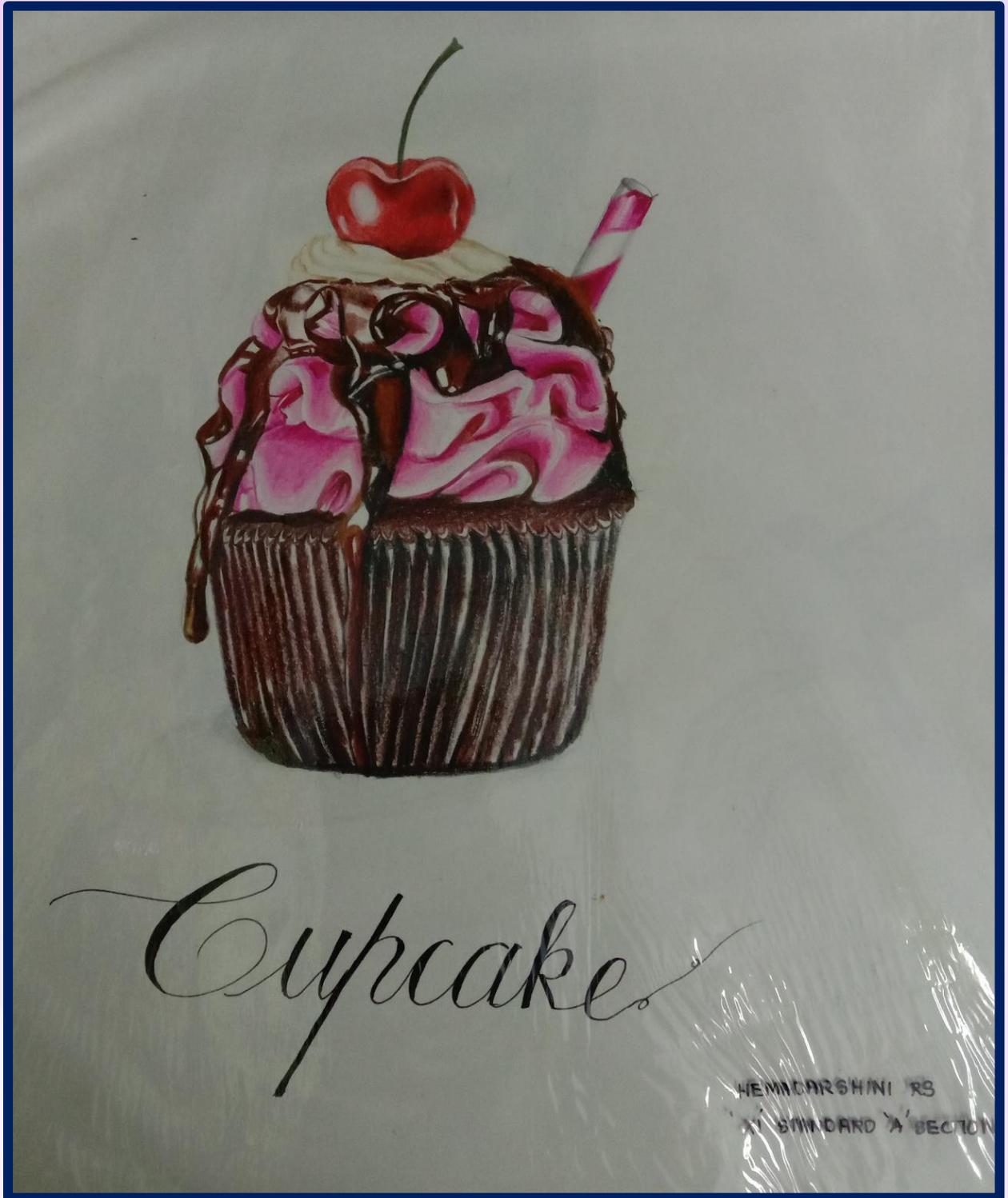
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XI A





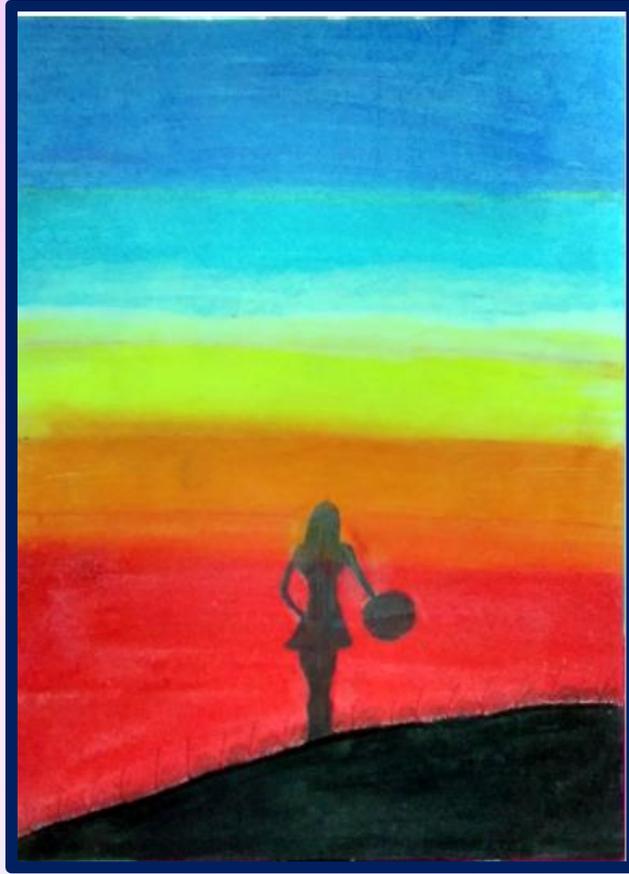
- HEMADARSHINI. R. S
XI A



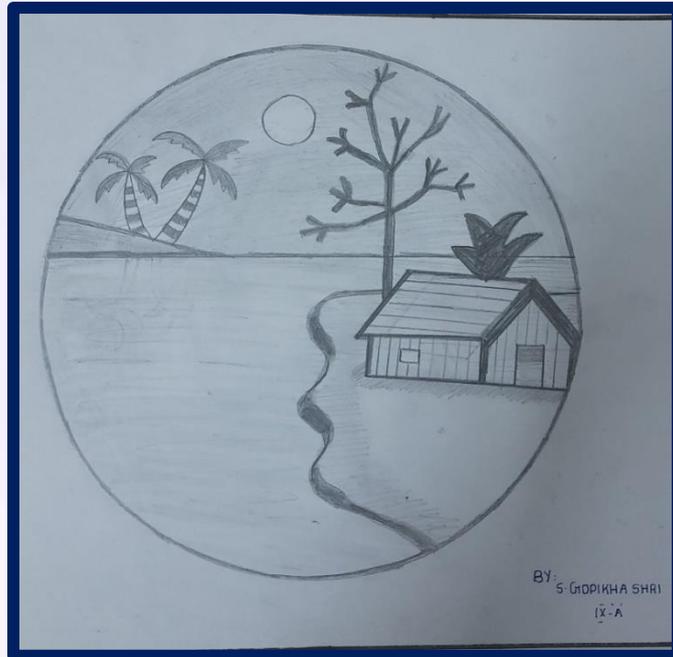


- HEMADARSHINI. R. S
XI A



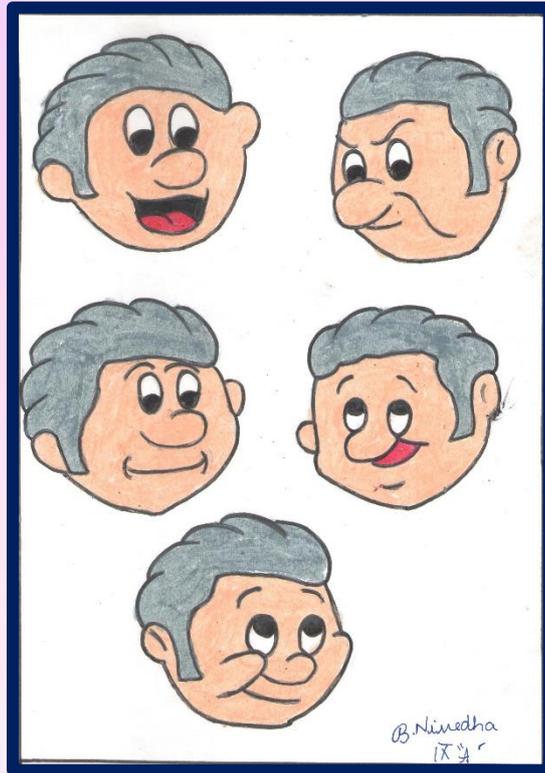


- ANUSHMAA
XII - A

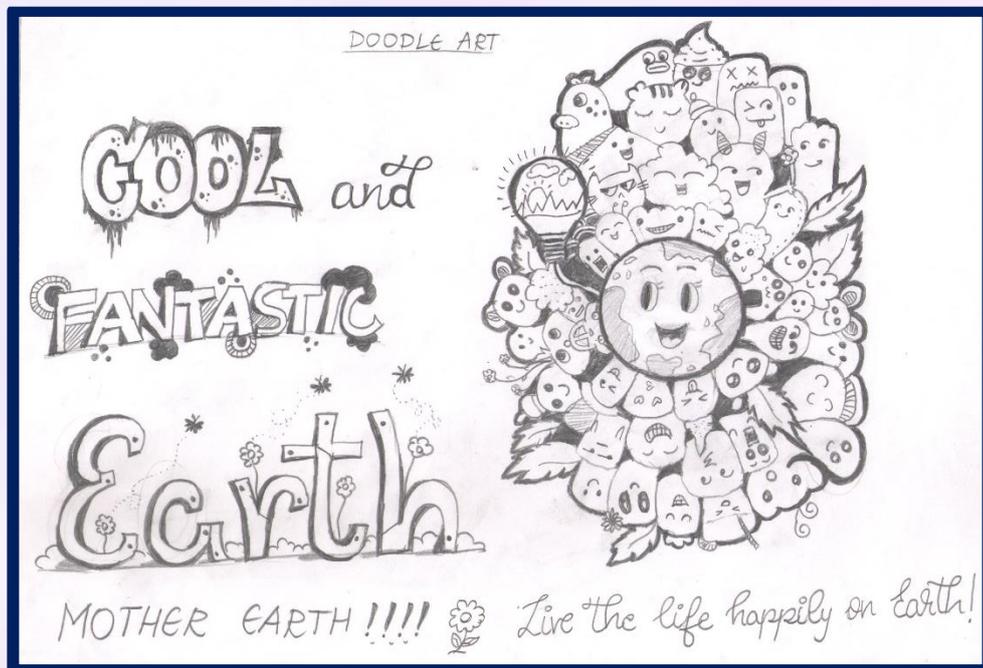


- GOPIKHA SHRI. S
IX - A



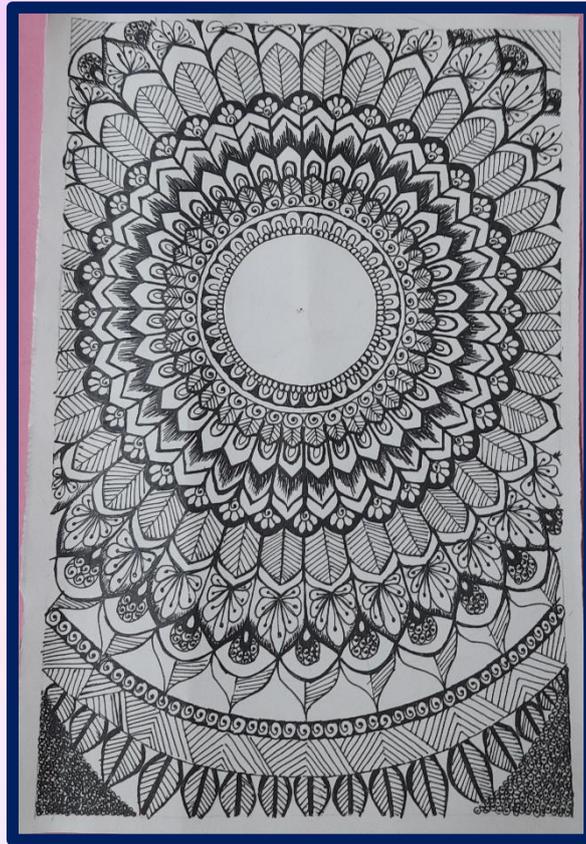


- NIVEDHA. B
IX - A



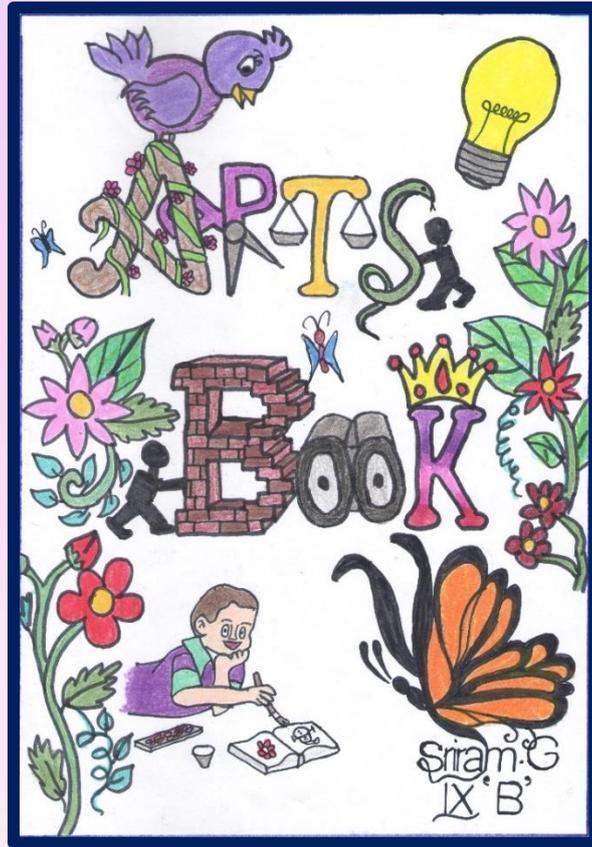
- HEME KAVINE. S
IX - A



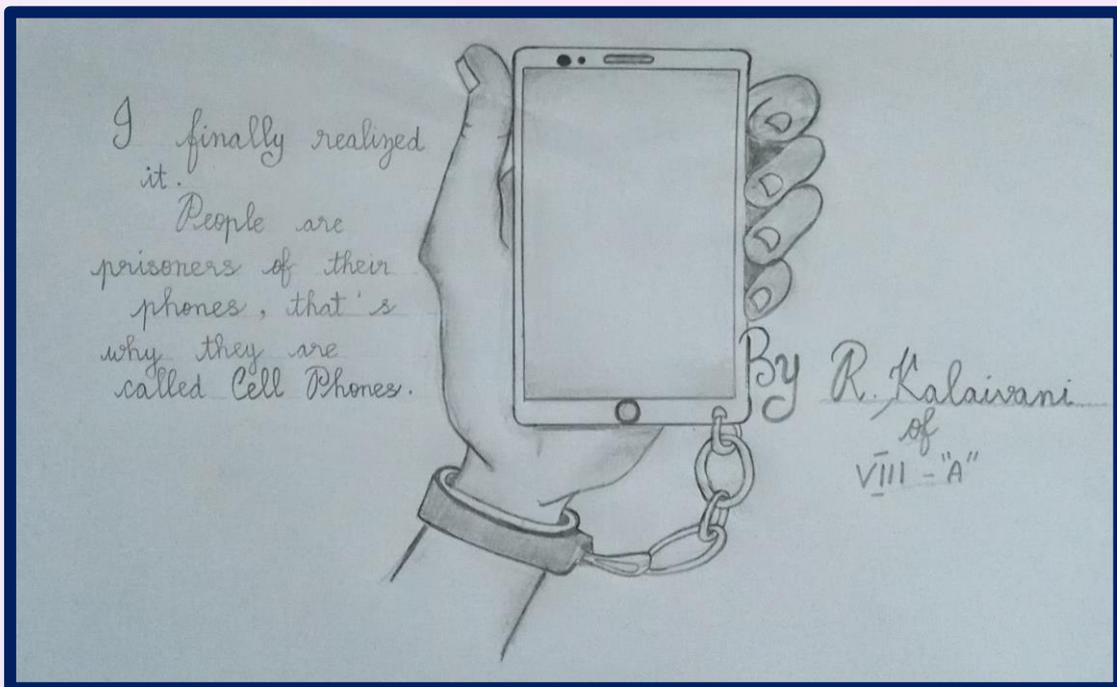


- LAKSHMI NATARAJAN
IX B



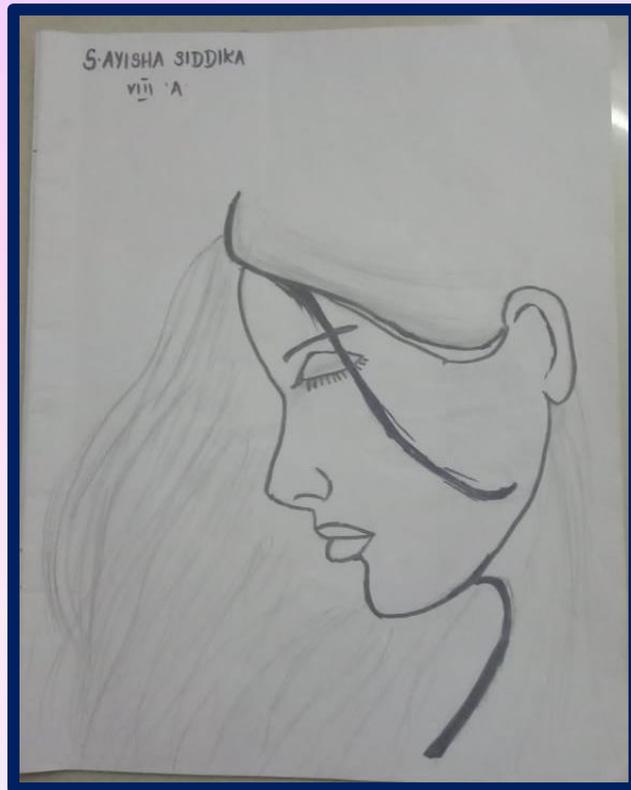


- SRIRAM. G
IX - B

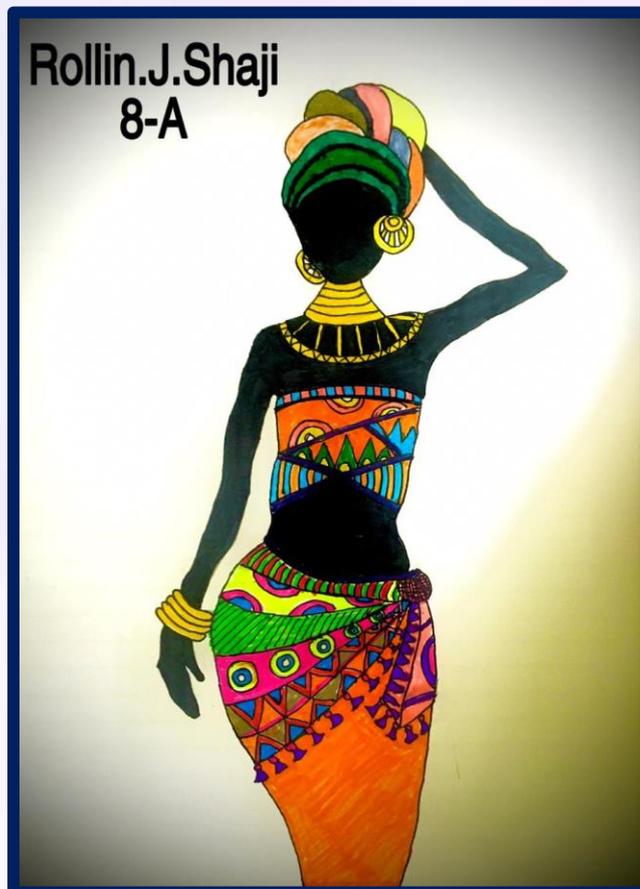


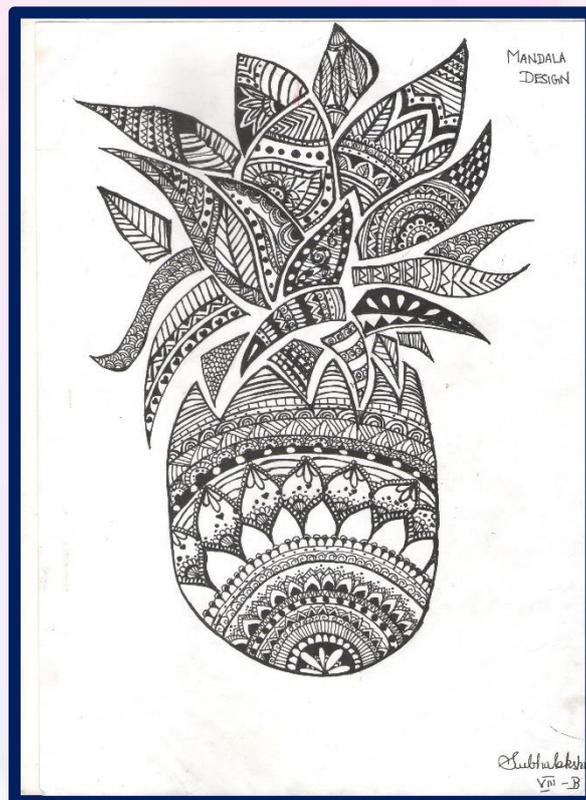
- KALAIVANI. R
VIII A





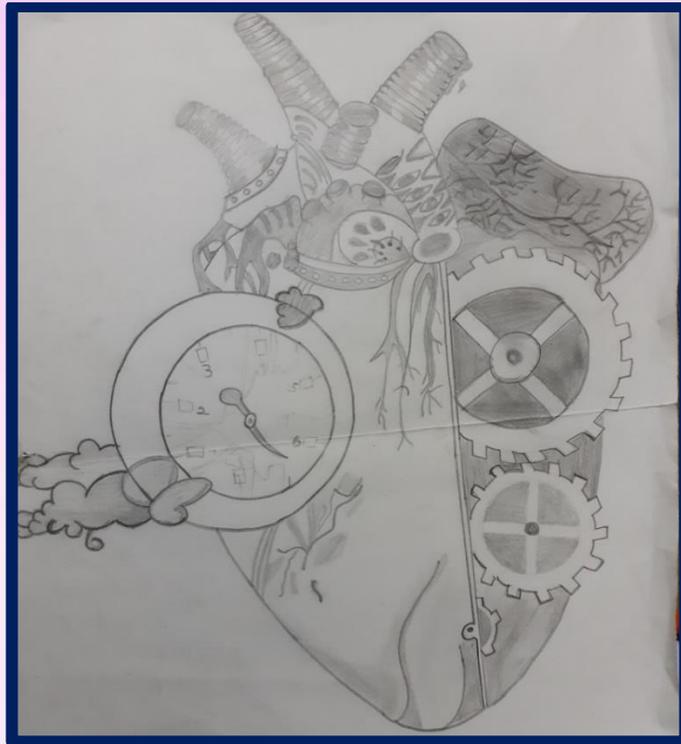
- *AYISHA SIDDIKA*
VIII A



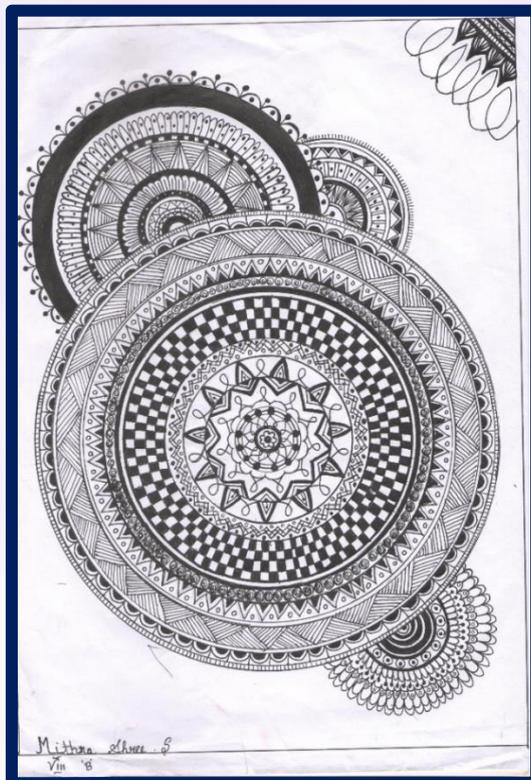


- SUBHALAKSHMI.
VIII - B



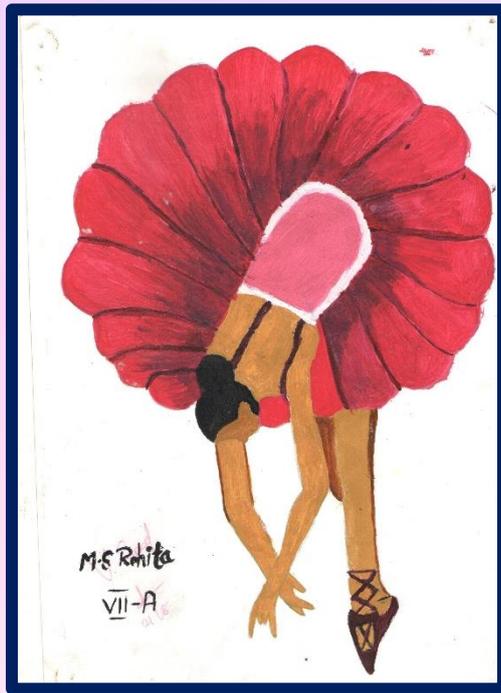


- KRISHMA. S
VIII B

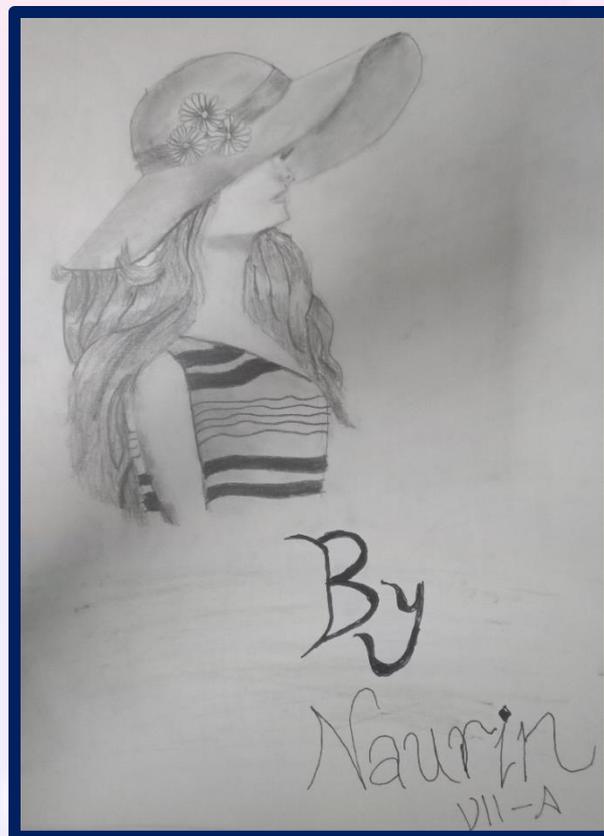


- MITHRA SHREE. S
VIII - B



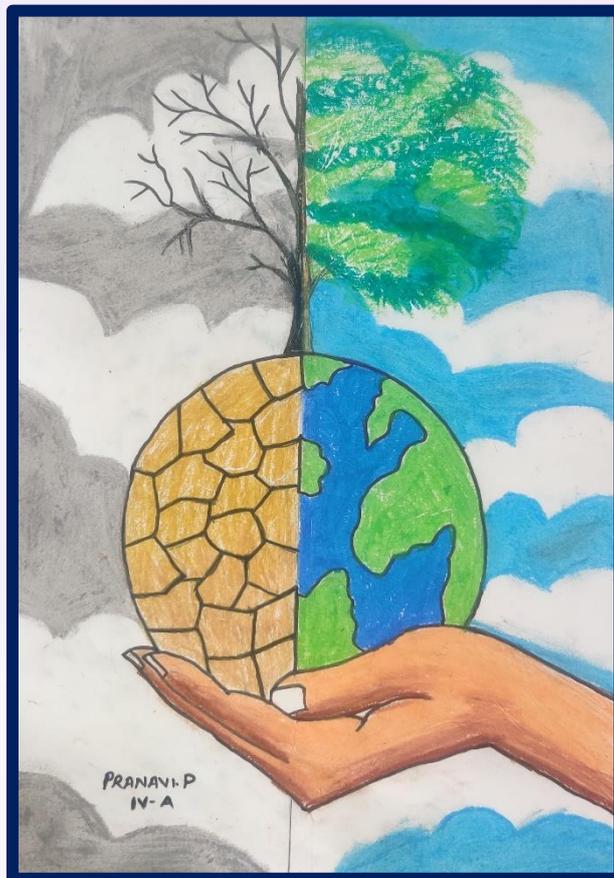
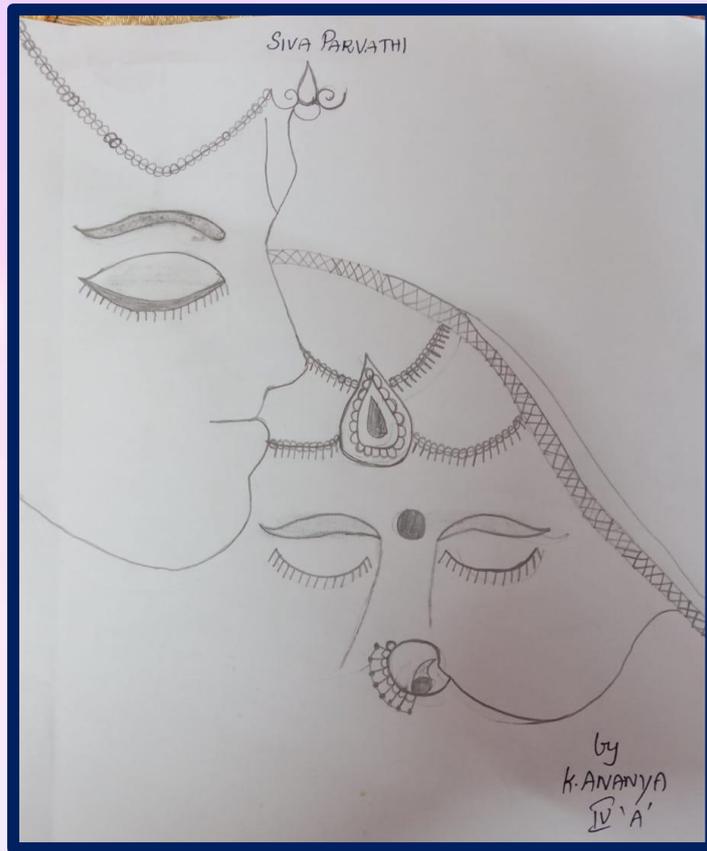


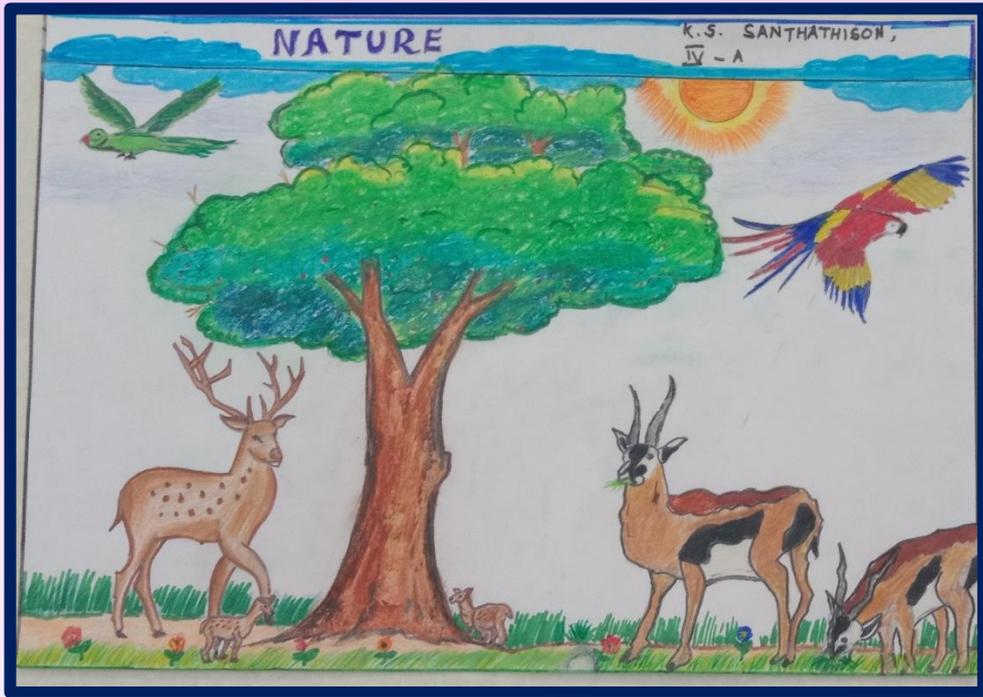
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VII - A







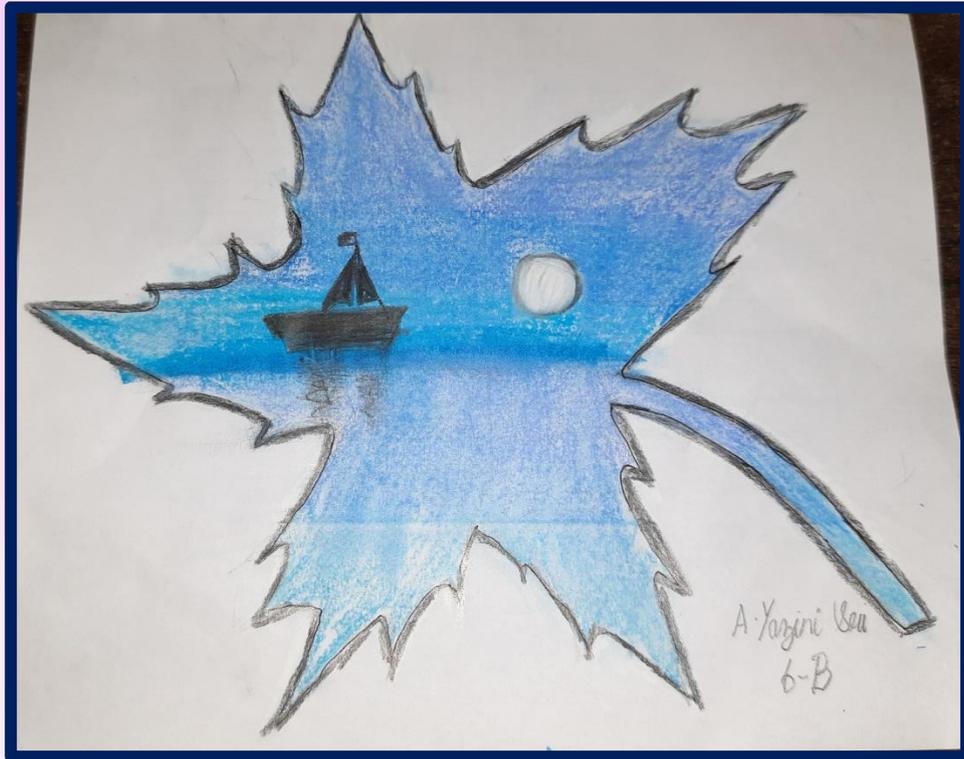




- SHIVANJALI PRASON

VI A





- YAZINI SRI. A
VI - B





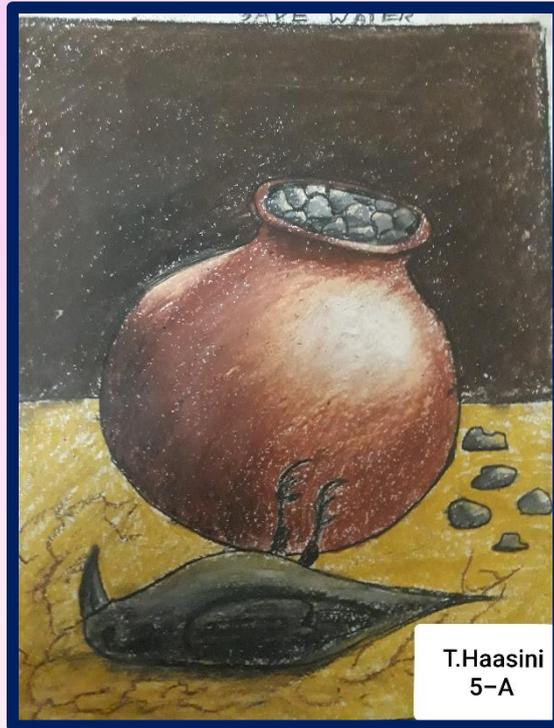
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VIII - B



HITTESH.V
VA

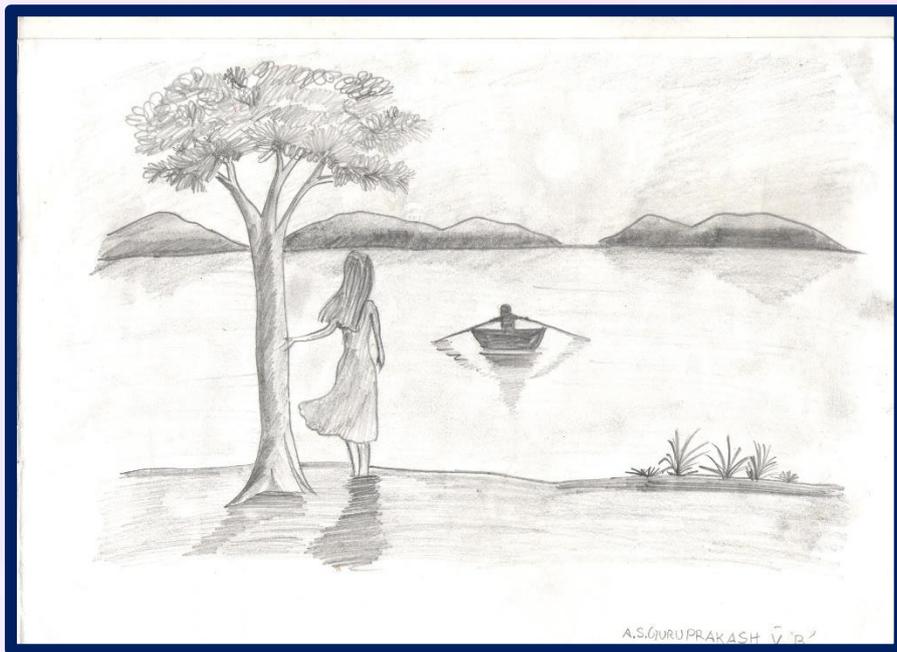
- HITTESH. V
VA





- HAASINI. T
VA





- GURUPRAKASH. A. S
V - B



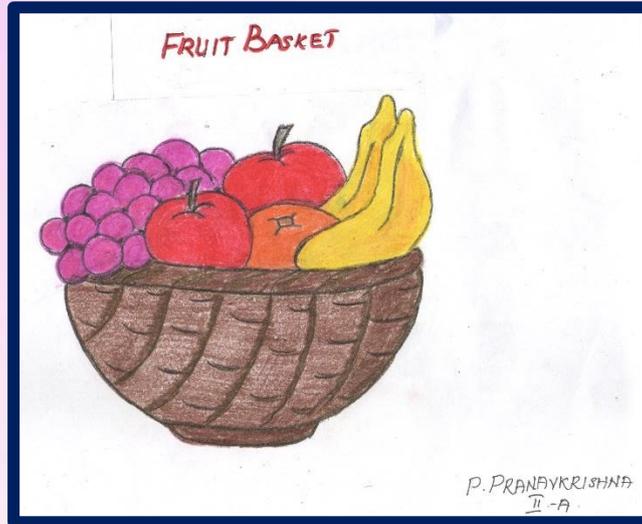


- SUTHERSIKA. K. S
IV B



- SANJUSHREE
III B





- PRANAVKRISHNA. P
II - A



- ANVITHA. B
II - B



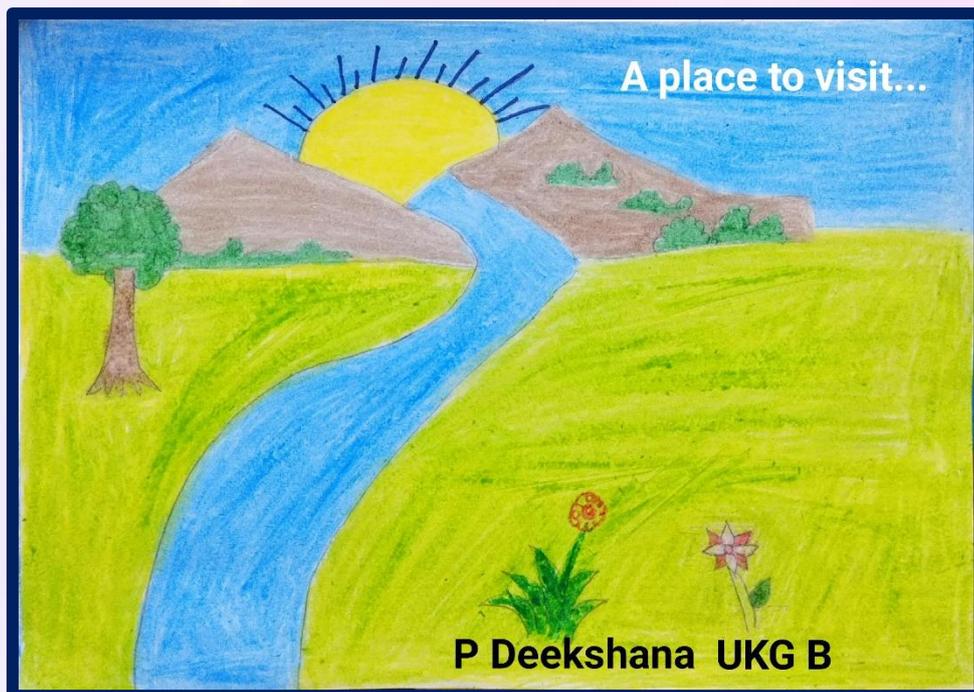
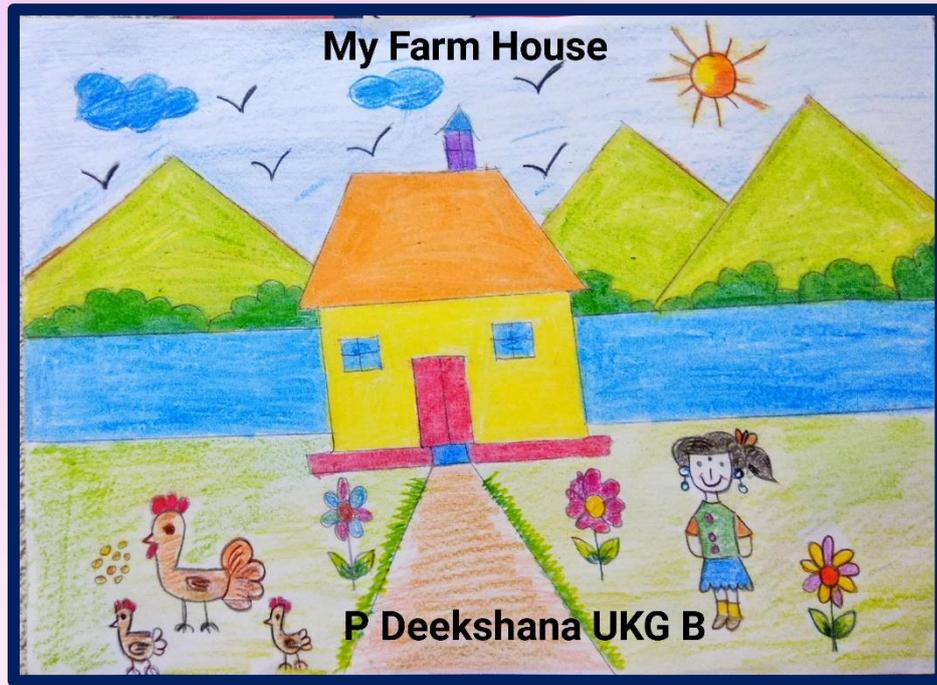


- SHIVAPRIYAA. R
I A



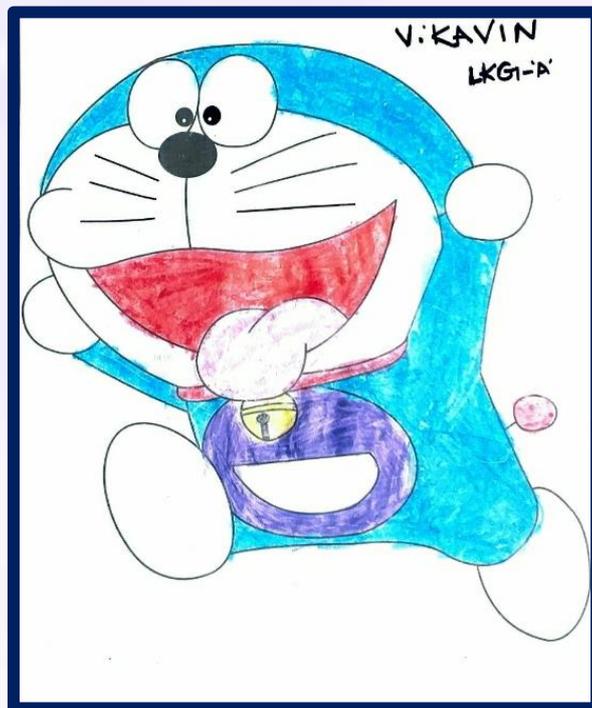




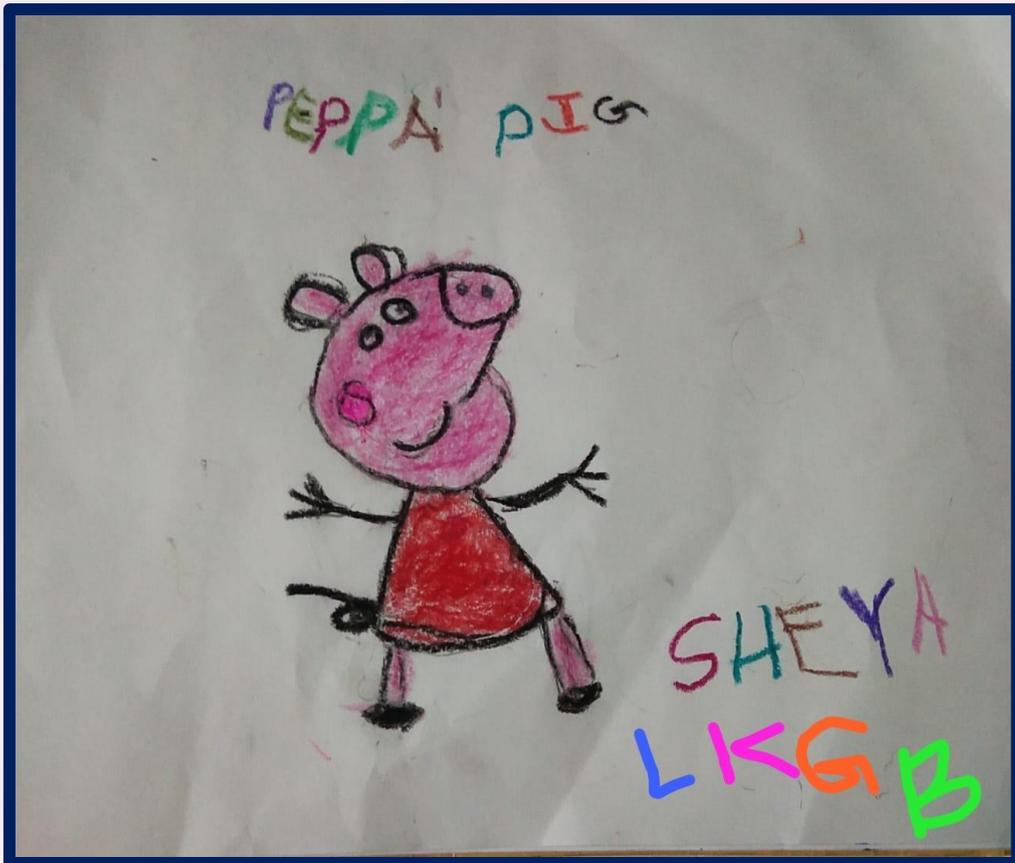


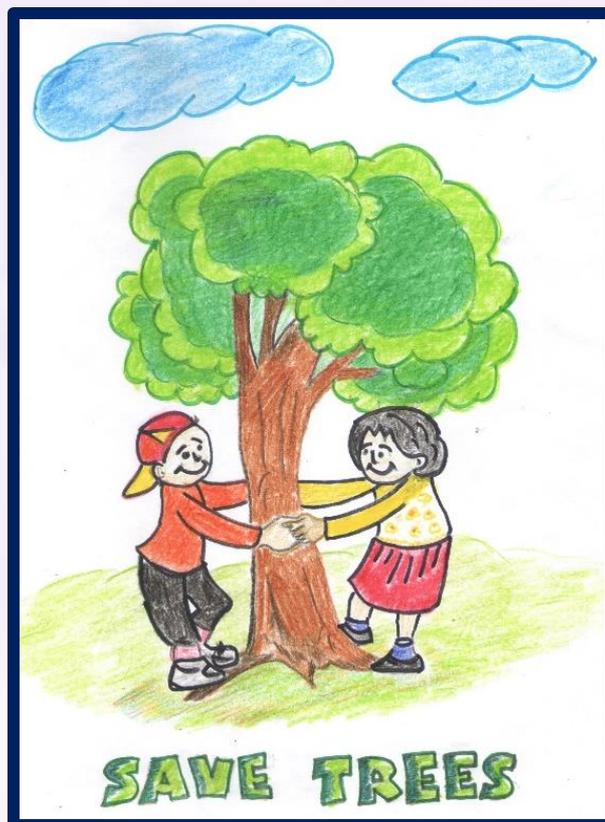
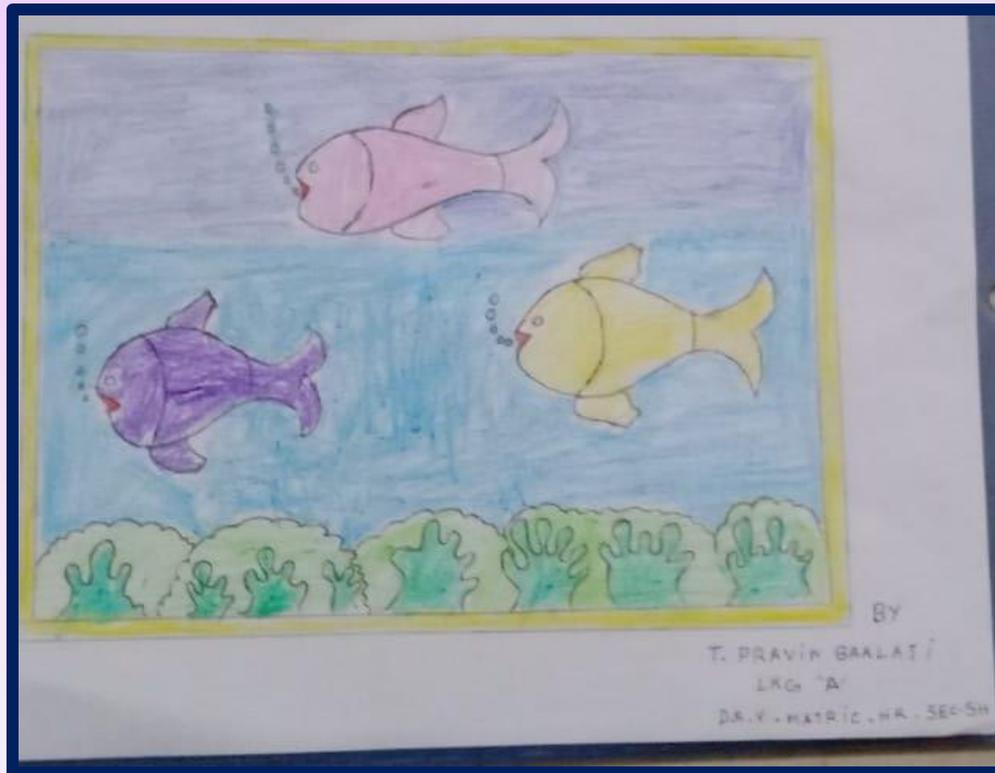


- KAVIN. V
LKG A



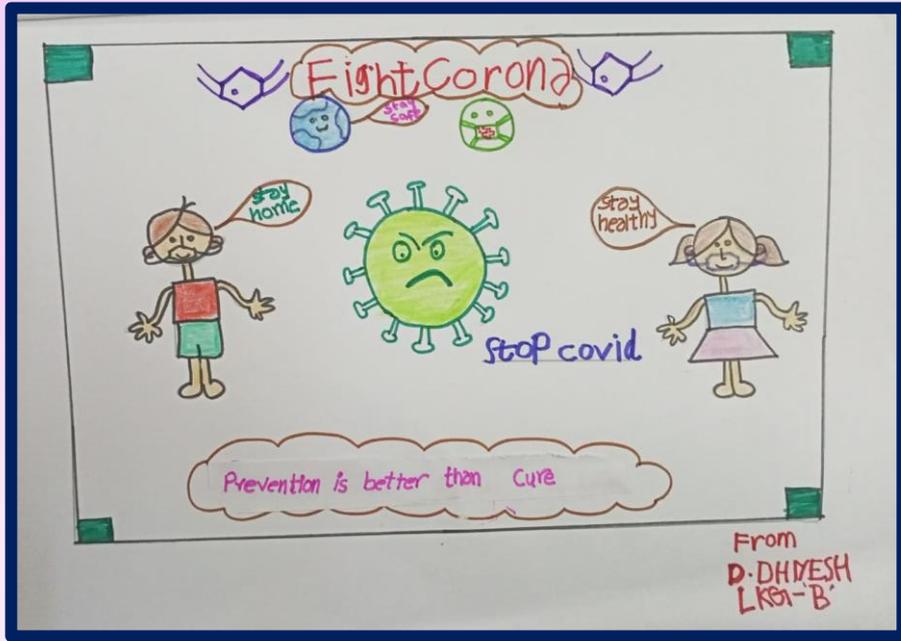




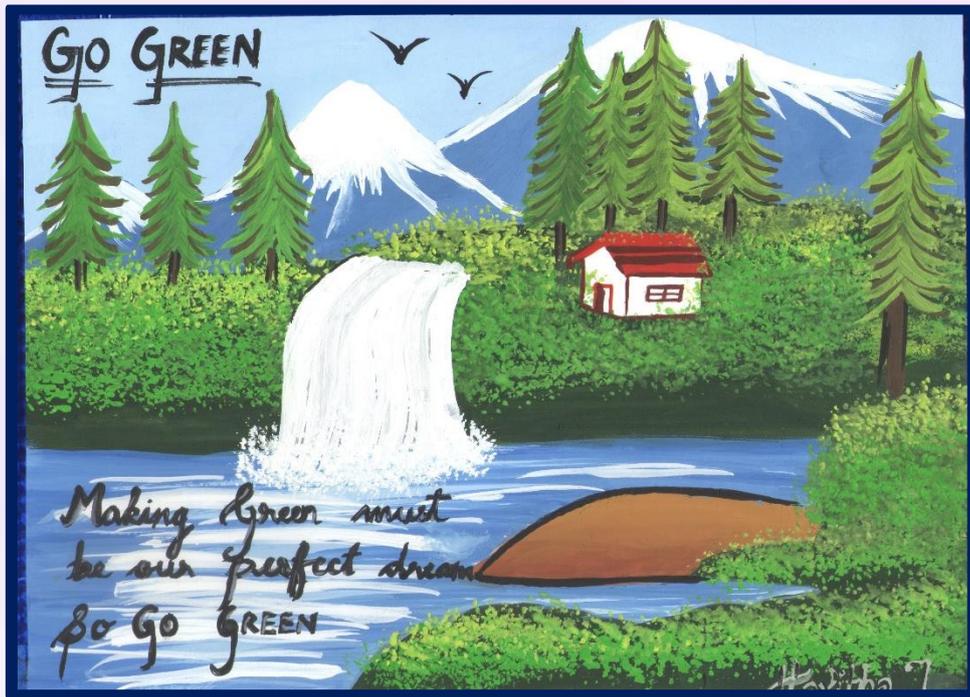


- DEEKSHANA. P
LKG - B





- DHYESH. D
LKG - B





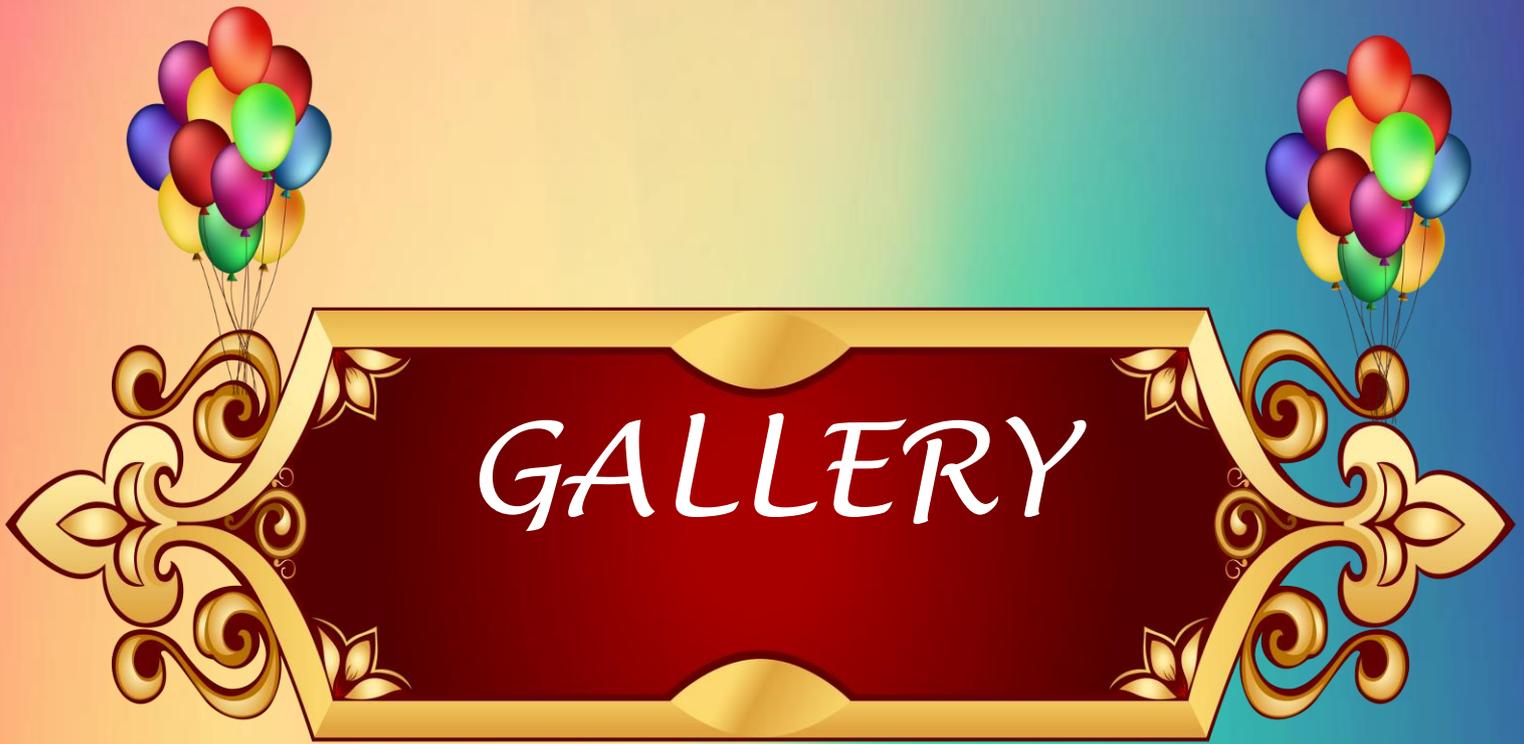












GALLERY



Down Memory Lane

STUDENT COUNCIL



Our gallant members of Student Council ready to shoulder their responsibilities.

REPUBLIC DAY

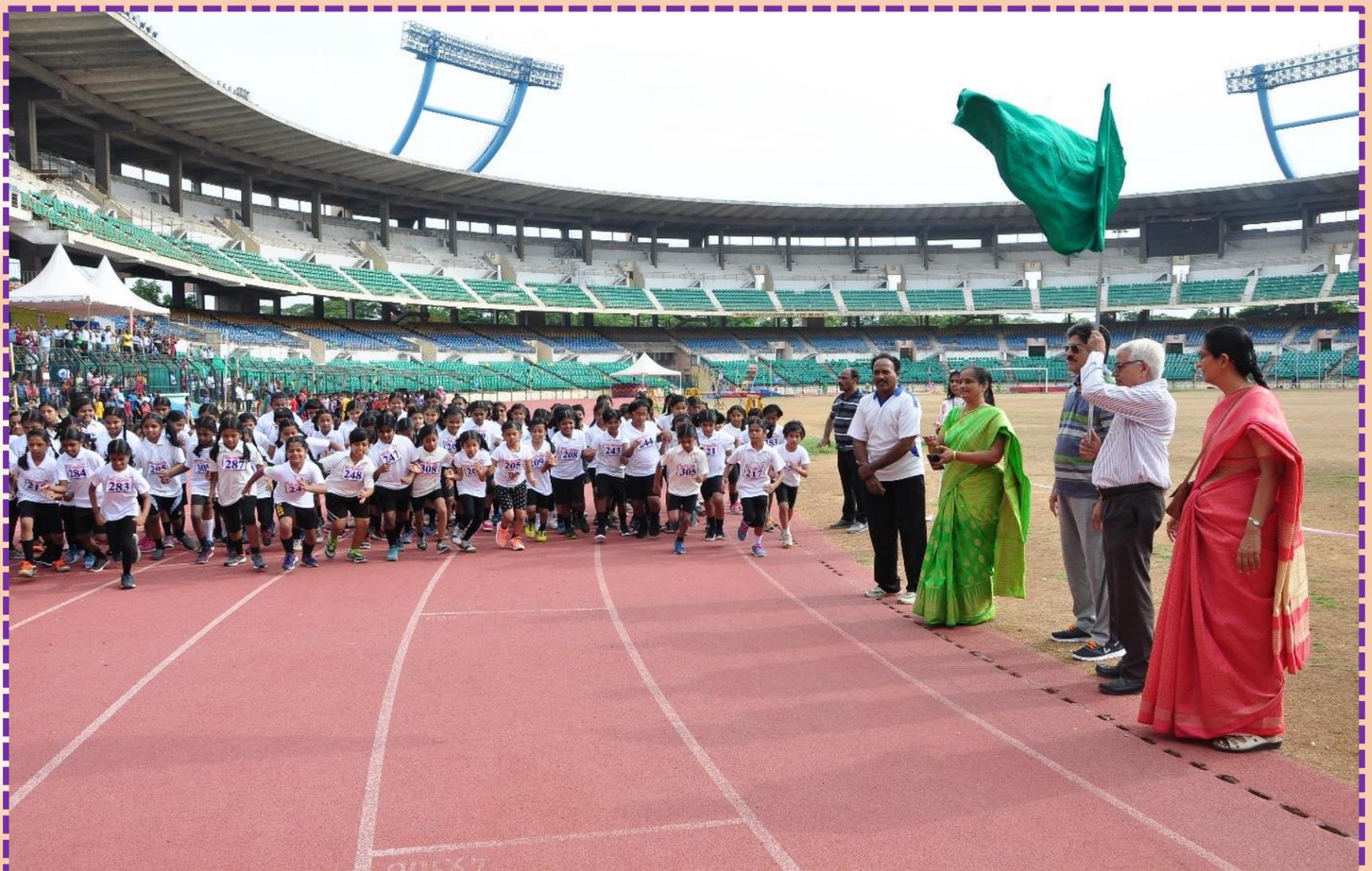
The celebration of 71st Republic Day on 26th January, 2020



Mind-blowing cultural programmes by the students

SPORTS DAY - JULY 2019

The celebration of 26th Annual Sports Festival, jointly by D.A.V Group of schools, Mogappair on 30th July, 2019 at Jawaharlal Nehru Stadium, Chennai.



Shri.Roy.K.Mani, SAF Games Gold Medallist and Asian Masters Athletic Meet Bronze Medallist (triple jump), was the chief guest of the day.

An impressive March Past led by the captains of the four houses



The Sports Day celebration on 30th July 2019 with much fervour and enthusiasm.





Captivating Mass Drill performed by the students of VI, VII, VIII



Glorious moments of inspiring teachers



Victory belongs to the most persevering





The proud moment of Takshasila Team for winning the Overall Championship



The celebration marked with pomp and magnificence



INDEPENDENCE DAY - AUGUST 2019

Independence Day celebration with great zeal and patriotic spirit by the D.A.V Group of schools, Mogappair.



Celebration to honour the struggles of many brave hearts who fought for the country's freedom



Captain Sonam Niroula, Officer Training Academy, Chennai, unfurled the National Flag and graced the occasion.



Mind-blowing speech by the dignitaries of the day



The future of India's destiny lies in the tender small hands and hearts of children.



ANNUAL DAY

The Celebration of 26th Annual Day themed as “Bhoota Bhavya Bhavishya” on 14th October 2019 at I.T.C Auditorium, D.A.V Senior Secondary School, Mogappair.



The celebration was graced by Shri. Sudarshan Ramabadrn, Senior research fellow and administrative head at India Foundation’s Centre for Soft Power and the convener of Tamil Nadu Young thinker’s forum.



The theme ideally portrayed a spectrum of hues pertaining to life





euphoria *The feeling of Joy*



A blend of merriment was displayed by our students



An extravaganza of dance by our tiny tots in many forms



Phenomenal display of varieties by our twinkling stars



Smile is the curve to express our happiness!!!



Our students spread the fragrance of happiness through their mesmerising movements.

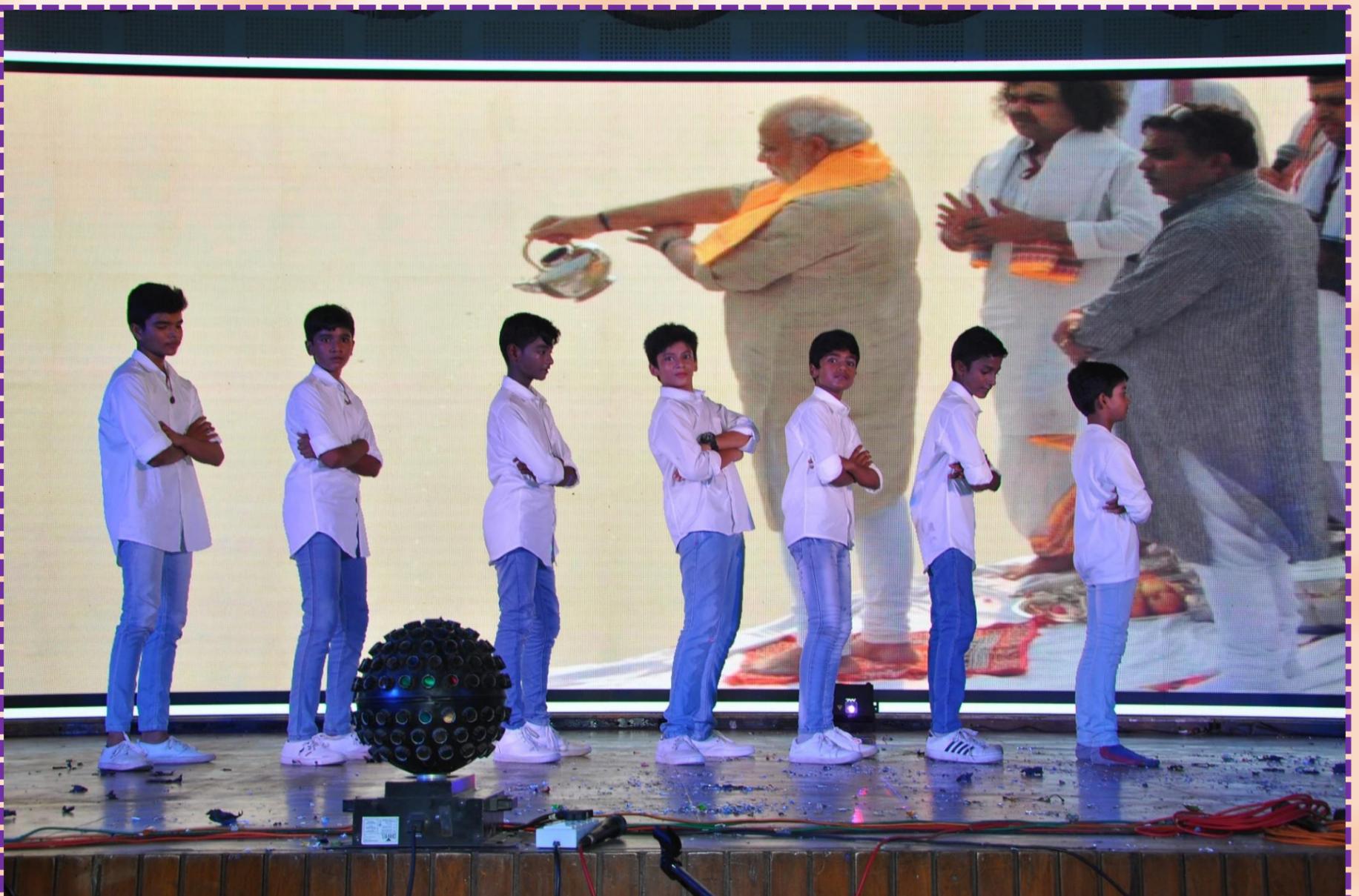




Hospitality is one form of worship. It's the success mantra of DAVians.



Spectacular show of high school students



Stunning dance performance by our dancing dolls





Visual treat for the audience by our entertaining rockers



Graceful movements of Serenity by our amazing angels





Blissful bhavas of gaiety by our high school girls





The Mega event was an icon of effective co-ordination, planning and execution – PRANAMS.

INTERSCHOOL CHESS TOURNAMENT



Felicitation of Inter-School Chess Tournament on 4th Sep '19





Cherishing moments of Inter- School Chess Tournament



STAFF HAVAN

Generates revitalising and rejuvenating effect for our staff



STUDENTS HAVAN

Spiritual awakening for the body and soul



DHAAN UTSAV - 2019 The Joy of Giving'



ALUMNI MEET - 2019



NCC SWACHHTA PAKHWADA



An awareness procession on the negative effects of plastic by our enthusiastic cadets of NCC.



ANNUAL GAYATHRI MAHA YAJNA



DISPUTANDUM 2020

An Inter D.A.V. Debate competition for juniors, Seniors and Super Seniors.



Our ebullient winners of Super Seniors category who clinched the first position.

PONGAL CELEBRATIONS BY KG KIDS



DOORDARSHAN MUSIC PROGRAMME



“Siragadikkum Chuttipongal” -A special programme by our Anjali choir for Doordarshan on ‘Thai Pongal Thirunal’

NIGHTINGALES OF DAV - ANJALI CHOIR



RAAGOTSAV



Enthralling moments of honour depicting the talent of young musicians



CAREER COUNSELLERS

Guidance to comprehend their career path



TRAVEL MEMORIES



Memories of a lifetime



OUR SCINTILLATING LITTLE STARS



Curiosity is the engine of achievement and DAV awakens this curiosity and feeds the mind for a lifetime





***GLIMPSES
OF
GLORY***

A MODEST ENCOURAGEMENT PRODUCES EXCELLENT YIELD









Prestigious moments of our exuberant students







Outstanding achievements of our exceptional students





Inspirational icons of DAV







Our successful journey continues.....



NAVYAN. P
V - A

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