



THE TIMES OF INDIA

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**TODAY'S
EDITION**

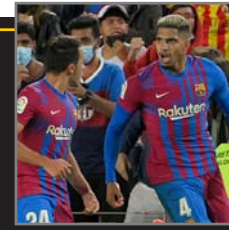
➤ Did you know which is the earliest form of Hindi literature? Read about Premakhyan in Concepts to Classrooms
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➤ Barcelona draw against winless Granada at home
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STUDENT EDITION
WEDNESDAY, SEPTEMBER 22, 2021



Apple to unveil foldable iPhone in 2024: Report



Apple analyst Ming-Chi Kuo in a latest research note has said that the Cupertino-based tech giant may launch its first foldable iPhone in 2024, instead of 2023 as previously thought. Business Korea recently reported that Apple and LG are developing a foldable OLED panel that uses etching to decrease thickness and is likely 7.5-inches in size. The site believes Apple's first foldable smartphone will have a clamshell design. Earlier, Kuo said that Apple has been researching foldable devices since 2016, but rumours surrounding a foldable iPhone have noticeably increased in recent months. The upcoming foldable smart phone with Galaxy Z Flip-like design will also be more affordable than the competing rivals in the same market.

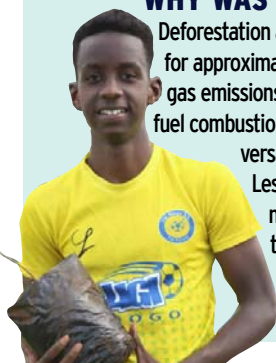
CLICK HERE: PAGE 1 AND 2

MEET THE FINALISTS

LESEIN MUTUNKEI, 17, NAIROBI, KENYA
NOMINATED FOR: Trees For Goals (T4G), Tackling climate change through soccer

WHY WAS HE NOMINATED

Deforestation and the depletion of forests account for approximately 20% of the global greenhouse gas emissions – the second largest, following fossil fuel combustion. By combining passion for the universal game of soccer with climate work, Lesein presents how to mobilise a large number of people towards combating the negative effects of climate change in a simple, smart and innovative way.



Fernanda Barros, 16, BÉLÉM, Pará, Brazil
NOMINATED FOR: Fridays For Future/SOS Amazonia – A megaphone for climate and social justice in Amazonass

WHY WAS SHE NOMINATED:

By increasing and strengthening young people's awareness and knowledge, Fernanda succeeds in making more voices heard and thus empowers both society and individuals. The states of Amazonas – the rainforest and Brazil are topical issues in the climate debate and affect all of us. According to the jury, Fernanda's work in this area is therefore not only important locally, but also globally.



RESHMA KOSARAJU, 15, SARATOGA, CALIFORNIA, USA
NOMINATED FOR: AI against forest fires, Where technology predicts and limits the damage of forest fires

WHY WAS SHE NOMINATED

Forest fires have increasingly become a global issue. According to the jury members, Reshma's project is innovative and solution-oriented. Her model uses AI and technology in an innovative way to accurately predict the risk of forest fires while also accounting for the independent variables of climate, weather and human behaviour.



CHILDREN'S CLIMATE PRIZE 2021

Three-Indian origin students among finalists

This year too, three Indian-origin students from the US and Australia – Reshma Kosaraju, 15, from California, Yash Narayan from San Carlos, and Anjali Sharma, 17, from Melbourne, are among the five finalists for the Children's Climate Prize 2021. The other finalists are Lesein Mutunkei, 17, from Nairobi, Kenya and Fernanda Barros, 16 years from Belem, Para, Brazil...

ANJALI SHARMA, 17, MELBOURNE, AUSTRALIA
NOMINATED FOR: Class-Action Environment Minister – Tackling climate change in the courtroom

WHY WAS SHE NOMINATED:

The Jury feels, Anjali is a colourful example of the power that more young people are flexing to achieve change. And it also shows how young people can challenge entire industries and sectors by using the law. Anjali's ability to mobilise is impressive and representative of a growing phenomenon in the world. She is an inspiration for how young people can press for tangible changes and is a role model for others.



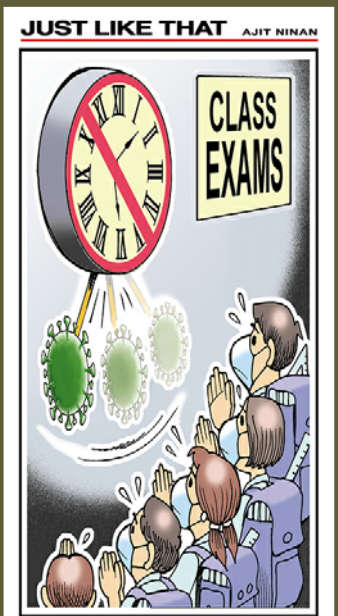
YASH NARAYAN, 17, SAN CARLOS, USA
NOMINATED FOR: DeepWaste – Technology for better and more precise waste classification

WHY WAS HE NOMINATED:

Every year, a lot of unsorted waste is thrown away that is deposited or burned, which contributes to unnecessary emissions. Yash has found an interesting solution. DeepWaste is an impressive project, self-teaching, accessible, scalable, and the development potential is enormous.



Of these five, one will be the final winner, which will be announced on November 8, 2021. The award and financial support of SEK 100,000 is handed out by the Children's Climate Foundation, initiated by Telge Energi, which has always supported young people, who drive change in the world



Bitcoin mining generates tons of e-waste: Study

Bitcoin mining generates as much as 30.7 metric kilotons of e-waste every year as of May 2021, which is comparable to a small IT equipment waste produced by countries like the Netherlands, a new study revealed.

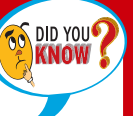
- At peak Bitcoin price levels seen early in 2021, the annual amount of e-waste may grow beyond 64.4 metric kilotons in the midterm, which highlights the dynamic trend if the Bitcoin price rises further
- Divided by the average number of bitcoin transactions, which means just two transactions create as much waste as a

- disposed iPad
- Moreover, the soaring demand for mining hardware may disrupt the global semiconductor supply chains
- The e-waste problem will probably grow further if the price of bitcoin continues to rise, since it will incentivise further investment in and replacement of ASIC hardware



To reduce the e-waste generated from bitcoin, a new mining method called proof-of-stake, which is far more energy-efficient than the proof-of-work principle used by bitcoin, and can be performed on regular computers should be encouraged, the report added

As per the UN, e-waste is the world's fastest-growing waste stream, up 21 per cent between 2014 and 2019 to 53.6 million metric tons and less than one-fifth of that is recycled



BTS speak @ UN, hopeful that the future generation will bring change

Popular music group BTS on Monday addressed the United Nations General Assembly (UNGA) as the special presidential envoy for future generations from their native South Korea and expressed their faith in young people's ability to imagine a better world despite the pandemic. "While the pandemic was a time to 'mourn for the things that Covid took away from us', it was also a time to discover how precious each and every moment with taken for granted were, they said. We thought the world has stopped but it continues to move forward. We believe that every choice we make is the beginning of change, not the end, they added.

The Grammy-nominated band, comprising RM, Jin, Suga, J-Hope, Jimin, V, and Jungkook, attended the 76th UNGA as part of their duties as envoys and also performed their latest English single 'Permission to Dance' at the UN headquarters

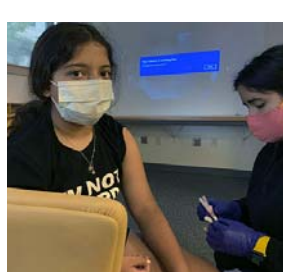
We have heard that people in their teens are being referred to as Covid-lost generation, that they've lost their way at a time when they must try new things, but we feel it's a stretch to say they're lost, just because the path they tread can't be seen by grown-up eyes. The youth should instead be called 'the welcome generation' ... as instead of fearing change, this generation says welcome and keeps forging ahead. If we believe in hope, even when the unexpected happens, we will not lose our way, but discover new ones

Jimin & RT, members of BTS



Covid-19 vaccine works in 5 to 11-year-olds: Pfizer

Pfizer has said that its Covid-19 vaccine works for children ages 5 to 11 and that it will seek US authorisation for this age group soon, a key step towards beginning vaccinations for youngsters. The vaccine made by Pfizer and its German partner BioNTech already is available for anyone 12 and older. But with kids now back in school and the extra-contagious delta variant causing a huge jump in pediatric infections, many parents are anxiously awaiting vaccinations for their younger children.



IN OTHER NEWS

Telegram adds interactive emoji, read receipts in groups

Encrypted messaging app Telegram has started rolling out an update that brings with it several new features, including interactive emoji and read receipts in groups. Users can select from eight themes, which apply to the chat for both users. The themes gradient message bubbles, have animated backgrounds, and unique background patterns.

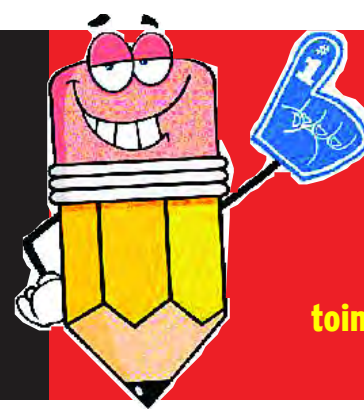


- The update also adds interactive emoji.
- When you send one of the select animated emojis in chat, you can now tap on it to initiate a full-screen animation
- This is then visible to you or anyone else who's also present in the chat at the moment. The animations are also accompanied by vibrations.

- The third new feature is to read receipts in groups. Users in small groups can now select a message you sent and see who else in the group has seen it



Beginning the journey of learning in an alphabetical order, Times NIE takes you through one concept from each subject every week



TEACHERS, IF YOU HAVE A CONCEPT THAT CAN CHANGE A CLASSROOM, SHARE IT ON

toinie175@gmail.com WITH YOUR PHOTOGRAPH

CLASSROOMS TO EXPERIENCE ZONES

BIOLOGY

PANDEMIC

A pandemic is an outbreak of global proportions. It happens when infection due to a bacterium or virus becomes capable of spreading widely and rapidly. The disease behind a pandemic can cause severe illness and spread easily from one person to the next. On March 11, 2020, the World Health Organization (WHO) Trusted Source advised that Covid-19 has the characteristics of a pandemic.

According to the WHO, a pandemic involves the worldwide spread of a new disease. An epidemic remains limited to one city, region, or country. Therefore, pandemic spreads beyond national borders



WRITE A COVID DIARY

Someday, perhaps to the future generation, you would have some interesting stories to narrate on how two years and counting...you were waiting for Covid-19 to end! Make sure you incorporate every tiny detail while penning down your thoughts. Here are a few starters:

Begin your write-up with a timeline

■ In a diary, dates and time

have a significant place. It arrests time and mood in the same page. So, when you start writing, have your dates of events in place – especially the ones that are dear to your heart.

Let your emotions free

■ There is nobody judging you. There is nobody reading you, unless of course, you wish to be read. Covid-19 led to disturbing experiences – from deaths of near and dear ones and illnesses to academic pressure, social anxiety and general uncertainty, so make your diary come to life with recorded experiences and feelings. After you have written it all, it is almost cathartic and will leave you positive and looking forward in life.



ACTIVITY

Think of a virus like a bottle of spilled glitter in your classroom. If someone has it on their hands and touches another person, then they have it on them as well. A virus is like that; if someone has it, it can get to someone else and then someone else, and so on until everyone is covered in glitter. When a virus spreads through communities in a single country and many people get sick, we call that an **EPIDEMIC**. But what happens if the kids leave the classroom and spread glitter to the kids all over in school? When a germ spreads to another country or across the world and gets people sick, we call that a **PANDEMIC**.

GEOGRAPHY

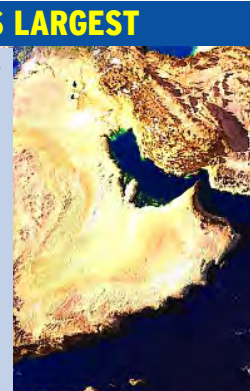
PENINSULA



A body of land surrounded by water on three sides is called a peninsula. The word comes from the Latin *paene insula*, meaning "almost an island." In the United States, Florida is the most obvious peninsula. Alaska also fits the definition, though it is very large and has a number of its own peninsulas. On the East coast of US, the Delmarva Peninsula (named after Delaware, Maryland, and Virginia), lies between Chesapeake Bay and the Atlantic Ocean. Mexico has two peninsulas: the Yucatán in the east and Baja California in the west.

WORLD'S LARGEST

The world's largest peninsula is Arabia, covering about 1 million square miles (2.6 million square kilometers). It is bounded on the west by the Red Sea, on the south by the Gulf of Aden and the Arabian Sea, and on the east by the Persian Gulf and the Gulf of Oman.



IN EUROPE AND ASIA

Europe has several peninsulas. Norway and Sweden form one peninsula, and Denmark forms another. To the south are Italy, the Iberian Peninsula (Spain and Portugal), and the Peloponnese, part of Greece. Peninsulas in the Far East include Southeast Asia, Malaysia, and Korea. Ukraine's main peninsula is the Crimea in the Black Sea, and Russia's main one is the Kamchatka in the far northeast. South India is also a peninsular region.



CONTINENT PENINSULA

Not all peninsulas are skinny little bits of land. Europe (the whole thing!) is sometimes considered a large peninsula extending off the single continent of Eurasia.



LANGUAGE

PARADOX

By Kartik Bajoria
Jaipur-based
Communication Skills
Educator & Writer



If you heard a statement that seemed so absurd, so unbelievable, yet somehow it was true, it would probably qualify to be a Paradox.

A Paradox is similar in nature to an oxymoron; difference being that a paradox is generally used or applied to a larger situation and/or premise. If I were to say, the protagonist of my story is a Police Officer in his day job but becomes a robber/thief by night, that would be a huge paradox, yet a most intriguing, astonishing, engaging, and in the case of my story – true fact! Paradoxes have been used since time immemorial to make language and writing interesting.

Historically, writers have used paradoxes liberally. Some classic examples are – War is Peace, Beginning of the End, Deep Down, You are Really Shallow! A simple search on the internet will reveal yet more examples of Paradoxes that can be incorporated into one's language and writing to enhance its appeal.

There is a new trend nowadays, both in India and abroad, in books as well as television, to have fiction (books and web-series) based on 'Antiheroes' – characters who are largely paradoxical.

They are good people committing some terrible deeds but the writing is constructed in a manner that the reader/watcher ultimately roots for these antiheroes despite their shades of meanness. That is the power and allure of a great paradox. It would be a wonderful, fun exercise to try and come up with three paradoxes of your own: one phrase-type, one situation-based, and one character-based.



TWIN BROTHERS

20 YEARS LATER



THE TWIN PARADOX: This one was proposed by Albert Einstein to explain the theory of relativity, establishing that the measurement of time isn't absolute since it depends on the movement and perspective of the viewer. The paradox relates to the story of two twins. One would make a long interstellar journey at a high speed, while the other would remain on Earth for about 20 years.

The prediction establishes that the twin who stays at home will age faster, thanks to time dilation. In other words, he'll perceive time pass slower. Therefore, the twin who left in the spaceship will return looking younger, because, after having travelled at a high speed, it'll seem that time goes by faster. And all of this is thanks to the fact that time is relative.

MATHS

By Sandeep Srivastava
Educator since 20 yrs, he specialises in making Maths easy and fun



POINT

We can get the feel of numbers from visuals when we represent quantities using pictures/graphs. Graphs are foundational mathematical representation and make math easier to apply and communicate with.

Points are not pointless

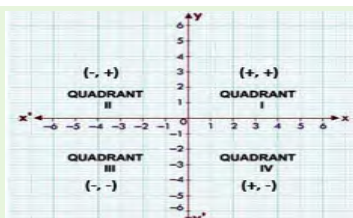
All surfaces, things, and spaces are made of (infinite) points. The boundaries of surfaces, things, and spaces are also defined by points – points that lie within and those outside. The coordinate plane helps us secure unique, accurate identity to points. And this ability is the foundation of the 'visual math'.

Setting the reference point

Cartesian coordinate system was formalised by René Descartes in the 17th century. It is a planar coordinate system – uses a plane to place and position points that uses two coordinates to identify the location of all the points on its surface.

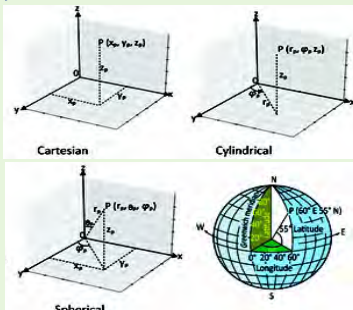
Cartesian coordinate system

It is a plane, where x-axis and y-axis are perpendicular to each other and meet at a point called the origin. Points in the plane are identified by their distance from each of the two axes. The distances are expressed as ordered pair (x, y) – where x or abscissa is the distance along the x-axis, and y or ordinate is the distance along the y-axis. The two distances may have different scales, and represent different quantities (x-axis - year; the independent variable, y-axis - temperature, the dependent variable). The Cartesian plane extends in all directions. The perpendicular x and y axes create four distinct spaces or quadrants on that plane around the origin. The '+' and '-' signs represent opposite directions. The quadrants are numbered from I - IV, starting

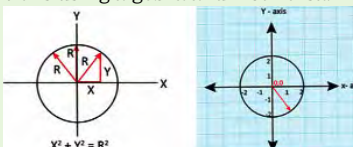


with the upper right and going around anti-clockwise.

3-dimensional space – origin at any place in the universe



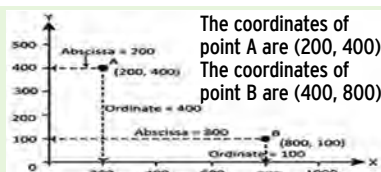
When locating a point in 3-dimensional spaces, in the Cartesian coordinate plane, we z-axis perpendicular to x-axis and y-axis to make 3-dimensional coordinate plane. The position of a point is specified by using the three coordinates (x, y, z). The z-axis represents the 'height', the vertical direction of the points in the space. Apart from the standard 3-dimensional Cartesian system which is 'cubical', other coordinate systems for 3-dimensional space are cylindrical coordinate system and spherical coordinate system. The longitude and latitude systems use a spherical coordinate system. Cartesian coordinate plane is the simplest bridge between algebra and geometry. It translates algebraic relationships into visual form and vice versa and allows us to analyse geometric situations using algebra and vice versa.



A circle $x^2 + y^2 = 2^2$ centred at (0,0) and having a radius 2 units circle, a geometric shape being described algebraically using the coordinate system

Reading and plotting the coordinates of a point

Each point is defined by the x, and the y coordinates. Coordinates of a point are identified by ordered pair (x, y). The x-coordinate or the abscissa is obtained by drawing a straight line from the point to the x-axis. The number where the line hits the x-axis is the x-coordinate. The y-coordinate or the ordinate is obtained by drawing a straight line from the point



The coordinates of point A are (200, 400). The coordinates of point B are (400, 800).

The special cases: The coordinates of point C on y-axis are (0, 400). The coordinates of point D on x-axis are (200, 0).

to the y-axis. The number where the line hits the y-axis is the y-coordinate.

Application of the cartesian plane

Graphs are 2-dimensional drawings that shows the relationship between two variable quantities, using a line, curve, a series of bars, or other symbols. The graphs use the Cartesian plane for graphing lines and points. A point on a graph is the fundamental unit of graphs.

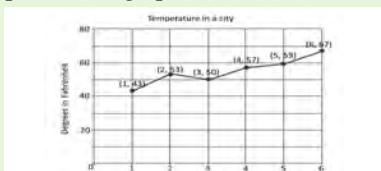
How to make a graph?

To construct the graph of a given data, we identify the independent and dependent variables from the given information.

Dependent variable: Variable whose quantity (value) varies with changes in the values of another variable.

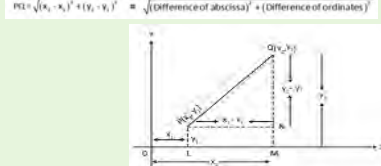
Independent variable: Independent variable is 'independent in comparison' to the other variable. Time is mostly an independent variable. It changes but is not influenced by any other thing around us. Label the independent variable along OX (X-axis) and dependent variable along OY (Y-axis). Calibrate the two axes. Plot each ordered pair and join the plotted points to get the desired graph.

Each pair of corresponding values of the independent and dependent variables forms an ordered pair needed to plot a point on the graph.



Distance between two points in a graph

The distance between any two points in the plane is the length of the straight-line segment joining them. It can be calculated Graphically:



HISTORY

PREMAKHYANS

Mahia Bashir writes for Times NIE about interesting events and terms from History. The author is pursuing BA programme at St Stephen's College, and interning at the History Diaries – an initiative to revamp the current pedagogical system of History through tours, drama in schools

Premaakhyan are considered to be the earliest genre of Hindi literature. They emerged in the eastern Gangetic plains between



the fourteenth and the sixteenth centuries, and were written in the Awadhi dialect. Often labelled as 'Sufi romances', Premaakhyan were composed by Sufis to narrate stories of the saint's mystical union



with god, but the idiom that was used in these stories drew from Hindu mythology, literature and culture. The result was a hybridised genre that defied easy characterisations like Hindu, Islamic, or Per-

sian. The common motif of the pre-makhyan genre was a heroic prince's quest for romantic love, which was essentially a metaphor for the quest for union with the divine. The earliest body of work belonging to this genre is Mulla Daud's 'Chandayan' written in 1379.

One of the well-known texts that belongs to the pre-makhyan genre is Malik Mohammad Jayasi's poem 'Padmavat', composed in 1540. Other poems include 'Mirigavati' by Qutban and 'Madhumalati' by Man-jhan. What is interesting about the

premaakhyan genre is that in the twentieth century, when the history of India was periodised into Hindu, Muslim and British periods, historians had difficulty fitting this genre into their polarised perceptions of the Indian past.

As a result, this important genre of the shared linguistic and cultural landscape of medieval India was overlooked. Newer interventions in the history of medieval India, however, have reassessed the salience of these texts to understand the socio-cultural diversity and co-existence in medieval India.



How to write appropriate MCQs

The recent addition to the pattern of examination is testing through MCQs. This change in pattern can be attributed to the disturbance in educational pedagogy due to the pandemic. We were forced to learn and teach through the online mode therefore it was mandatory to enforce certain changes.

Besides many advantages of online teaching, there are certain drawbacks as well, namely the constraint of subjective assessment. Therefore, it was important to devise strategies which would amalgamate the subjective and objective aspect of teaching learning pedagogy. Now let us understand, as teachers, the points which we need to take into account while framing MCQs.

First and foremost, MCQs are designed to test the thorough understanding of the concepts covered therefore, the Stem, Key and Distractors of the MCQ have to lead to more critical analysis of the topic. To state it clearly, the question or the stem must be direct,



JYOTSNA KUMAR, SGPPT English, DAVPS Pushpanjali Enclave

rect, with less or no ambiguity and should be testing only one aspect or should have only one difficulty level. The distractor should be plausible yet not easily decipherable.

The students should be able to find the key but should be motivated to read all the distractors

to find the key or the answer. So, the purpose of MCQs is also to make students read with attention and teachers have to be very particular to frame the right instructions. Next, the distractors cannot be 'All of the above' or 'None of the above' as by giving these, we do not lead the students to the correct answer, therefore the purpose of learning gets defeated. It is also to be noted that making difficult MCQs should not be the prominent thought while framing MCQs as if the students are not able to answer, it is very demotivating both for the students and the teachers.

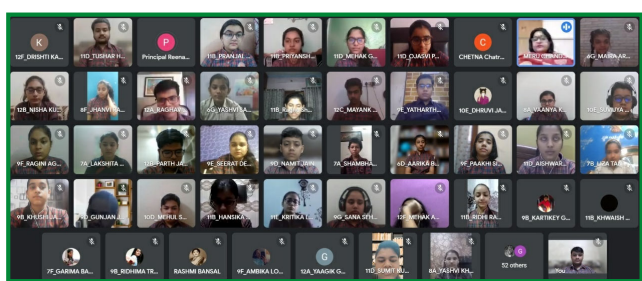
Furthermore, If MCQs are testing through the negative 'Not', the Stem or the question should be carefully designed not to mislead the students and they must not be spending too much of time to find the key. So, MCQs are to be framed to encourage students to read through the chapter and not through the summary, read the instructions carefully, analytically study the distractors, identify the key and also Mark it correctly.

DL DAV holds virtual investiture ceremony

DL DAV Model School Shalimar Bagh, organised its second 'virtual investiture ceremony' for the year 2021-22 on August 4th 2021. All the heads, vice heads and captains who had been carefully selected on the basis of their capabilities, achievements and skills were all prepared to don the mantle of leadership and discharge the responsibilities entrusted to them by the school.

The ceremony was anchored by council co-

ordinator Meru Chandra with the introduction of the newly formed school senate where the names and designations of all the council members and house representatives were announced in order to acknowledge them. The oath taking ceremony was administered by the school principal Reena Rajpal followed by her



words of wisdom.

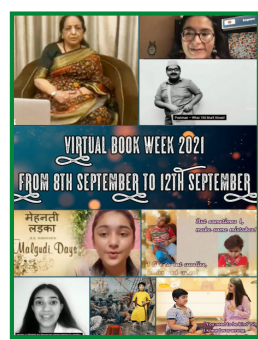
The newly elected heads, vice heads and captains delivered their speeches and assured everyone that they'll prove it that they are best

suited for the posts they've got and that they will work to the best of their capabilities and leave no stones unturned to bring laurels and glory to their school.

Rekindling flames of reading

To inspire young minds and rekindle the magic of learning, Readers Club of **Manav Sthali** Rajendra Nagar organized the second Virtual Book Week from September 8 to September 12 as a tribute to Revered Founder Chairman Dr. V.K. Bhatnagar.

Under the able guidance of Mamta V. Bhatnagar, Director & Founder

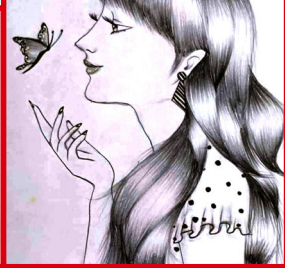


Principal, the Virtual Book Week was initiated last year by Principal Dipati A. Bhatnagar to keep the Manav Sthalians engaged with something creative, constructive and positive during the lockdown period, especially when the times were testing and the morals were down.

Mamta V. Bhatnagar, Director & Founder Principal addressed the stu-

dents & parents on the last day of Virtual Book Week & congratulated the children on their confident portrayal of very exciting, informative and interesting stories. Expressing her joy and happiness on such a wonderful presentation she encouraged all her students to read good books and be good readers. She further motivated them to imbibe the teachings of what they read and learn, in their personal lives, to be more humane and positive.

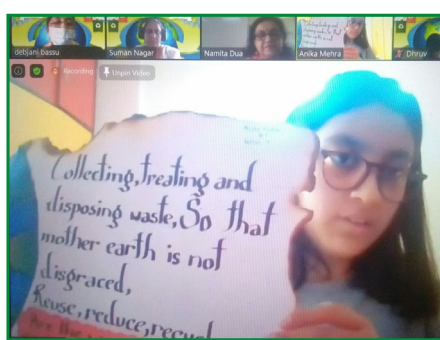
Student Corner



ASMI ARORA, class XII-G, Manav Sthali School, Rajendra Nagar

Swachhta Diwas observed at Ryan

To spread awareness about the importance of Local Cleanliness and Hygiene among students a Slogan Writing competition on the Topic 'Recycling and Solid Waste Management' was organized at **Ryan International School**, Vasant Kunj for students of class IX and an Essay Writing Competition on the Topic 'Clean



Surroundings help in the inception of Clean Thoughts' was organized for students of class X on the online Platform on September 13.

Advocating the vision of Chairman Dr. A. F. Pinto of a 'Clean and Beautiful India', the students participated in the activities with enthusiasm and delight. Two winners from each section were awarded certificates.

Expressions – A Poetry Recitation Competition organised at Ramjas

Ramjas School, Pusa Road organized 'Expressions', an online Inter-section poetry recitation competition for the students of Class VIII.

The event had two students reciting poems, each in Hindi and English language, from each section. The students came up with poems of

eminent poets on varied themes. The audience was enthralled by the beautiful rendition of poems by some of the greatest poets like, Harivansh Rai Bachchan, Rabindranath Tagore, William Blake, Ogden Nash, Robert Lee Frost



, William Henry Davies, to name a few.

In Hindi Poetry Recitation, Nishtha Sharma bagged the first position followed by Vivian Chaudhary at the Second Position, Nitya Udinia and Ojasvi Gupta shared the Third Position. In English Poetry Recitation, Garvit Kaushik was declared at the first Position followed by Paridhi Maheshwari at the Second Position. The Third Position was jointly shared by Parv Agarwal and Tanya Sharma.

Recognition Day 2021-22 held at Khaitan

Khaitan Public School, Sahibabad celebrated Recognition Day on August 27 to felicitate School students' excellence in academic rigour as well as co-curricular activities. The evening, which was conducted online, began on an auspicious note with the chanting of Sanskrit shlokas to invoke the blessings of Goddess Saraswati and Lord Ganesha.

The Middle School Head, Aparajita Roy Das, warmly welcomed all to the



threefold recognition of the children, parents and teachers for their pursuit of brilliance. The avant garde vice-chairman Anirudh Khaitan, addressed the august gathering and acknowledged the efforts of the students and

encouraged them to keep up the good work. The Vice Principal -Teaching and Learning, Himani Tyagi shared her thoughts on the value of perseverance and congratulated the students on their astounding achievements.

The Chief Guest of the event, Swapna Nair Principal at Arwachin International School, Dilshad Garden graced the occasion with her presence. The much-awaited awards were announced for students of session 2020-21.

Awe-inspiring Araku

Due to my busy schedule, I hardly get time to visit any place. One recent weekend, however, I decided to join my family and relatives for a one-day trip to Araku.

Araku is a hill station located at a distance of 120 km from Vizag, on the Eastern Ghats. It is famous for its lush green beauty, mountains, valleys, and waterfalls. The best way to travel to this place is by rail, as it goes past the bridges and tunnels. We booked a minivan for this journey.

Araku valley has many spots which are a tourist's delights. My favourite was the Galikonda viewpoint. The beautiful view of the hills and stunning mountains with green scenery was something I will always cherish. We also visited a tribal museum depicting the life of the tribals inhabiting Araku. We enjoyed some soft drinks and snacks at the beautiful coffee house in front of the tribal museum and purchased a few items from the art and handicrafts shop.



While returning from the valley, we decided to visit the Borra Caves, without which our visit would have been incomplete. This place was quite adventurous, as we had to walk some distance to reach the caves. These magnificent caves are made of Karstic limestone.

Later, we had our lunch and tried bamboo chicken, a local delicacy. As it was getting dark, we decided to head back to Vizag. All through the return journey, I was recollecting all the places that I know I will cherish forever.



SOMYA YALA, class X, Balaji Highfield School, Visakhapatnam

GROUP STUDY IS MORE EFFECTIVE THAN STUDYING ALONE

We all are well versed with the concept of group study. It is more like bringing your classroom or your tuition classes back to your own personal space. If used constructively, one can draw immense benefits out of this. We all have different levels of understanding a concept. Exchange of ideas and understanding happens in a group study session. A doubt that often

arises can be quickly cleared by discussing with each other. Suppose you have understood a concept and one of your study mates hasn't got it right, teaching him, or instead making him understand that part will help you strengthen your own grip over the concept, as well as points out your own loopholes which can be corrected before it's too late. At some point in your exam preparation sessions, you may feel a bit sluggish and tired; a group study session can be handy in those situations, as it will give that added motivation to go along. From my point of view, I must say that the benefits of studying in groups are undeniably immense.

NISHAD RAY, class IX, Ravindra Bharathi School, Visakhapatnam



DEBATE

I believe that group study brings more disadvantages to the table than self-study. The major one being easy distractions. Choosing to study alone will help you focus on the material, as most of the group study sessions turn into hangouts. Self-study will have your 100% undivided attention on the subject. We all have our own strategies while preparing for an exam. Some may need soft music, while others might require to be in open spaces. With self-study, you won't need to depend on others, and you can control your own environment and strategy. Group study can be effective when the conceptualization ability of the group is at the same level. However, it is very tough to find such scenarios, and you can often find yourself being dragged down due to someone else in the group who is lagging from the preparation point of view. For understanding a new concept, group study is a definite no-no. You have to give yourself the time and space to learn a new concept.

AGAINST

VARSHINI PINAPALA, class XI, Chaitanya Public School, Visakhapatnam



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UPBEAT **DC** WILL LOOK TO STAY AHEAD

Struggling SRH will need to win to stay afloat in the tournament

Shreyas Iyer



Bolstered by Shreyas Iyer's return, Delhi Capitals will look to maintain the form they showed in the first half of the season as they resume their IPL campaign against a struggling Sunrisers Hyderabad here on Wednesday. Delhi are currently sitting on the second spot, with 12 points from eight games. On the other hand, Sunrisers are placed at the last spot, with just a solitary win from seven games and six losses.

Dhawan will be fired

The Rishabh Pant-led side ended the first half of the IPL with a win and would be keen to start on a winning note. And to do that, the Capitals have enough power-hitters in their line-up, who can take any good attack to cleansers and Sunrisers won't be an exception. Opener Shikhar Dhawan (380 runs), would be keen to prove the selectors wrong after being axed from India's World T20 squad, while his partner young Prithvi Shaw (308 runs), would also like to get some runs under his belt.

Winning middle-order

DC boast of a strong middle-order comprising Shreyas Iyer, skipper Rishabh Pant (213 runs), Australians Steve Smith (104 runs) and Marcus Stoinis (71 runs) and Shimron Hetmyer (84 runs). They will have to play their roles well if the Capitals need to keep winning and in case the openers fail, the middle-order will need to take respon-



sibility. Iyer, who is making a comeback after recovering from shoulder injury that he sustained in March, would also be keen to start the tournament well.

Delhi also have a settled bowling attack and they could go in with Avesh Khan (14 wickets) and Kasigo Rabada (8 wickets), who have been lethal at the start and at the death. Delhi have array of spinners to choose from - be it the wily old-fox Ravichandran Ashwin, experienced campaigner Amit Mishra, Axar Patel, Lalit Yadav or Pravin Dubey.

Win crucial for SRH

For Sunrisers, a win would boost their confidence and help them stay afloat in the tournament. However,

“We got another practice game and I am sure it will be much better and also the practice sessions have been purposeful and meaningful, so overall I think boys are shaping well for the first game.”

SRH mentor, VVS LAXMAN

their season's leading run-getter Johnny Bairstow, has decided to pull out and hence the marauding Australian opener David Warner (193 runs) will have to shoulder more responsibility. The likes of Kane Williamson, Manish Pandey, Wriddhiman Saha, Kedar Jadhav, Abdul Samad and Vijay Shankar, will also need to chip in and contribute.

Their bowlers, led by spin sensation Rashid Khan, also will have to put up a disciplined show to contain the Delhi batters at the Dubai International Stadium. Khan has said the side will be treating every game as their final match. Rashid is also working on his batting skills to give SRH an edge lower down the order. “From one and a half years, I have been working on my batting as last 15-25 runs are very crucial for the side. So just trying my best to do different things, haven't practised a lot of shots in the nets but I'm just focusing on having the right mindset,” said Rashid in the video.

“Definitely looking forward to the rest of the season, yeah we didn't have the ideal start in the first half of the tournament but looking forward to finish up well and treat every game as a final and give my 100 per cent,” he added.

Earlier, after some practice sessions, Williamson had said he expects “some” good contributions from the players in different roles. “I suppose as individuals had all different set of expectations of what they wanted to do. And it was nice to spend some time in the middle. We saw a lot of really good contributions (in practice match) from a number of guys in different roles which is good to see,” Williamson said on Twitter: AGENCIES

NAPOLI continue perfect start

4-0 win at Udinese move team to top of Serie A

Napoli moved top of Serie A thanks to a 4-0 stroll at Udinese, which made sure they maintained their 100 per cent start to the season. Goals from Victor Osimhen, Amir Rrahmani, Kalidou Koulibaly and Hirving Lozano earned Luciano Spalletti's side an impressive win at the Dacia Arena which gives them a perfect 12 points from four games, two points ahead of Inter Milan and AC Milan, who sit second and third respectively.

Roma are a further point back alongside Fiorentina as Napoli remain the only team to win all of their matches so far this term in Italy's top flight. Udinese, who lost for the first time this season, sit seventh, level on seven points with Lazio, Atalanta and Bologna as Napoli gave off early signs of being title contenders. “It doesn't mean anything. We know we played very well at a difficult ground. We've got to keep our feet on the ground and keep working. It's not easy coming

all the way to Udine and winning 4-0,” said Insigne. “If we look at the numbers now we'll get slack and we won't continue the way we're going.”

Osimhen followed up on his dramatic brace in Thursday's 2-2 Europa League draw at Leicester City by opening the scoring in the 24th minute with his first Serie A goal of the campaign. Fabian Ruiz then struck the post six minutes later and was key to the goal which put Napoli two ahead. Receiving the ball from Insigne at a free-kick, Ruiz floated a pass for Koulibaly, who pushed the ball across goal for Rrahmani to nod home. Koulibaly scored the late winner against Juventus last time out and put Napoli three up six minutes after the break with a missile of a shot from the excellent Ruiz's lay-off. From then on it was all Napoli and Lozano put the cherry on the cake in the 84th minute with a lovely finish following an exchange of passes with Mario Rui. Napoli are back in action on Thursday at Sampdoria as a midweek round of fixtures rolls around. **AFP**

BARCELONA held by winless GRANADA

Draw at Camp Nou puts pressure on coach Koeman

Less than a week after a demoralizing loss to Bayern Munich in the Champions League, Barcelona faltered at Camp Nou again, being held by winless Granada 1-1 in the Spanish league. Barcelona needed a 90th-minute equalizer by defender Ronald Araujo, sparking jeers by many in the crowd of nearly 27,000 on Monday. The setback followed the 3-0 rout by Bayern in the team's first defeat since losing Lionel Messi to Paris Saint-Germain, and added pressure on coach Ronald Koeman and club president Joan Laporta.

Granada came to Barcelona winless in four matches and coming off two consecutive losses, including at home against Real Betis in the Andalusia derby last week. It defeated Barcelona at Camp Nou the last time they met in April. “It's a shame,” Araujo said. “If we had been able to score earlier we could have gotten the victory. After the early goal they sat back on defense and that made it difficult for us.” The draw left Barcelona in

seventh place, five points from leader Real Madrid with a game in hand.

Chances squandered

Coached by former Spain manager Robert Moreno, Granada opened the scoring two minutes into the match with a header by Domingos Duarte off a set-piece. Barcelona squandered two great chances to equalize before halftime - Sergi Roberto hit the crossbar from inside the area and Araujo's header was brilliantly saved by Granada goalkeeper Luis Maximiano. Memphis Depay and Luuk de Jong also failed to capitalize on scoring chances in the second half, but Araujo finally broke through with a close-range header in the 90th.

“We know that Barca isn't going through a good moment and it was important to try to take advantage of that early on,” Duarte said. “Earning a point at Camp Nou is always good but we came close to getting the three points. In the end they had many chances too. It was a fair result.” **AP**



QUIZ TIME!

Q1: Which sport's competition is known as the “Specsavers County Championship”?

- a. Cricket
- b. Football
- c. Rugby
- d. Golf

Q2: Which country houses the world's largest cricket ground in the world, by capacity?

- a. Australia
- b. India
- c. England
- d. South Africa

Q3: In which year was the first Limited over International (ODI) cricket match held?

- a. 1971
- b. 1972
- c. 1973
- d. 1974

Q4: Which country did India beat in the final match of the 1983 Cricket World Cup?

- a. West Indies
- b. Australia
- c. England
- d. New Zealand

Q5: Who was Player of the Series in the 2019 Cricket World Cup?

- a. Kane Williamson
- b. Rohit Sharma
- c. Mitchell Starc
- d. David Warner

Q6: Christopher Nkunku scored a hat-trick for RB Leipzig in a CL loss to Manchester City. Which other losing team player scored a CL hat-trick in Manchester?

- a. Michael Owen
- b. Sergio Agüero
- c. David Beckham
- d. Ronaldo



Photo: AFP

Q7: After how many years is the World Shooting Championships held?

- a. Two years
- b. Three years
- c. Four years
- d. One year

Q8: Who won 10th Italian open title 2021?

- a. Novak Djokovic
- b. Rafael Nadal
- c. Dominic Thiem
- d. Stefanos Tsitsipas

Q9: Who was the top scorer in the 2019/20 Premier League season?

- a. Kelechi Iheanacho
- b. James Maddison
- c. Jamie Vardy
- d. Harry Kane

Q10: Jurgen Klopp began his managerial career at which German club?

- a. FC Köln
- b. FSV Mainz
- c. Eintracht Frankfurt
- d. Borussia Dortmund

ANSWERS: 1. a. Cricket 2. b. India 3. a. 1971

4. a. West Indies 5. a. Kane Williamson

6 d. Ronaldo 7. c. Four years 8. b. Rafael Nadal

9. c. Jamie Vardy 10. b. FSV Mainz