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Spollight PARAG AGRAWAL **New CEO of Twitter**

ack Dorsey stepped down as the CEO of Twitter on Monday, the social media site he co-founded in 2006 and navigated through the tumultuous years of the Trump administration. He has been replaced by Indian-origin Parag Agrawal, who as the company's chief technology officer had recently been working on technologies associated with cryptocurrencies, which have become a fascination of the tech industry's power brokers, including Dorsey. Dorsey will stay on the board of the

THE MAN

Parag, aged 37, is an alumnus of the Indian Institute of Technology, Mumbai, where he did his Bachelors in Engineering in computer science. He moved to the US for further stud-

ies, with his doctorate coming from Stanford University based in California



San Francisco-based company until his term expires in 2022.

The world is watching us right now, even more than they have before. Lots of people are going to have different views and opinions about today's news. It is because they care about Twitter and future, and



Parag Agrawal joins elite club of Indian-origin CEOs

Parag Agrawal has joined the highprofile league of Indian and Indian origin honchos, who are calling the shots at global corporations. Agarwal joins Microsoft CEO Satya Nadella, Alphabet and Google CEO Sundar Pichai, Adobe President and CEO Santanu Narayan and IBM Group CEO Arvind Krishna, who are currently leading global corporations. Besides, the elite club has other honchos like Mastercard's CEO Ajay Banga, Arista Networks' CEO and President Jayshree V Ullal, Micron Technology's CEO Sanjay Mehrotra and **Reckitt Benckiser's CEO Laxman Narasimhan**





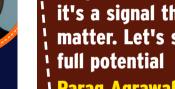
he Omicron coronavirus variant is likely to spread internationally, posing a "very high" global risk of infection surges that could have "severe consequences" in some areas, the World Health Organisation (WHO) said on Monday. The UN agency has urged its 194 member states to accelerate vaccination of high-priority groups in anticipation of increased case numbers to ensure that mitigation plans are in place to maintain essential health services.

INDIA WATCH

Amid mounting fear over Omicron, an expert committee on Covid immunisation is considering recommending an "additional dose" to those who are immunocompromised or are elderly and at high risk of infection or death due to Covid-19 infection, an official source said. A final decision on the issue, however, will be taken by the **National Technical Advisory** Group on Immunisation next week, which will be then considered by the health ministry for approval. It would be too early as yet to speculate on just when the doses will be given.

2011. Before that, he briefly worked at Microsoft, AT&T and Yahoo. In all the three companies, his work was mostly

research-oriented. Initially, at Twitter, he worked on ad-related products, but gradually he also dabbled in artificial intelligence



it's a signal that the wire we do here matter. Let's show the world Twitter's

Parag Agrawal



'Spider-Man: No Way Home' to release in India a day ahead of US



pider-Man: No Way Home', the new Spider Man film starring Tom Holland and Zendaya, is all set to release in India on December 16, a day ahead of its release in the US. "We have some exciting news for all the Spider-Man & Marvel fans! Our favourite superhero will be swinging in one day earlier than the US! Catch #SpiderManNoWayHome on December 16 in English, Hindi, Tamil & Telugu," tweeted Sony Pictures India.

In the film, with Spider-Man's identity now revealed, Peter asks Doctor Strange for help. When a spell goes wrong, dangerous foes from other worlds start to appear, forcing Peter to discover what it truly means to be Spider-Man

The film will also feature appearances from Benedict Cumberbatch as Doctor Strange, Jacob Batalon as Ned Leeds and Marisa Tomei as Aunt May

Lionel Messi Wins Record Seventh Ballon d'Or

ionel Messi won the men's Ballon d'Or award for a record-extending seventh time at a ceremony in Paris on Monday. Messi won the last edition of the Ballon d'Or in 2019 before last year's awards were cancelled due to the pandemic.

E ALSO WON IN 2009, 2010, 2011,

The 34-year-old scored 38 goals in 48 games last season for Barcelona and won the Copa del Rey before captaining Argentina to Copa America glory in July. That was the first major international title of his glittering career, which had been spent entirely with Barcelona before his tearful departure from the Camp Nou in August and subsequent move to Paris Saint-Germain

👩 DID YOU 🕥 He has now won KNOW the Ballon d'Or twice more than his old rival Cristiano Ronaldo – between them they have won 12 of the last 13 editions with the exception coming in 2018 when Luka Modric claimed the prize

More on pg 4

BOOK

Two Indians 'booked' for Emile Guimet **Prize for Asian** Literature 2021

wo Indians - Deepa Anappara and Geetanjali Shree - are among the five nominees for this year's 5,000 euro Emile Guimet Prize for Asian Literature for works translated into French, an award that is supported by the Oxford **Book Store. The other nominees** are Hideo Yakuda and Mitsuyo Kakuta from Japan and NG Kim Chew from Malaysia. The winner will be announced on January 20, 2022.

World's tallest railway bridge pier to come up in Manipur COST

he Indian Railways is constructing the world's tallest bridge pier (an upright support for a structure or superstructure) in Manipur. The ambitious project in Manipur is part of the 111 km- long Jiribam-Imphal railway line to connect the capital of Manipur with the broad gauge network of the country.

The bridge, which is being built at a pier height of 141 metres, will surpass the existing record of 139 metre of Mala - Rijeka viaduct, Montenegro in Europe With the completion of the project, the 111 km distance will be covered in 2-2.5 hours. Presently, the distance between Jiribam-Imphal (NH-37) is 220 km, which takes about 10-12 hours of travelling. The work on the bridge will be completed by December 2023



The project, which consists of 61 per cent of tunnels, will cost ₹ 374 crore approximately, according to the chief engineer

02

"A man who carries a cat by the tail learns something he can learn in no other way." MARK TWAIN

A2Z OF CONCEPTS

WEDNESDAY, DECEMBER 1, 2021



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

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By Kartik Bajoria

Communication Skills

Educator & Writer

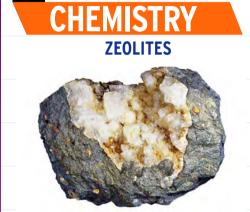
Jaipur-based

experiences increasing acceleration every second. Calculus is also the way we find the length, area and volume of curved surfaces, objects, and spaces Math to the rescue of science

On the face of it science couldn't talk of instantaneous velocity, or acceleration, when time and distance are nearly imperceptible, zero; there the physical measurement is a challenge. But math doesn't have limitation of 'smallest number possible', there is always a new real number between any two real numbers; mathematically expressing scientific realities allows much powerful analysis and computations. Math gifted science completely new possibilities - avoiding division by zero, using division by infinites and

so on.

the second s				
Source: Thoughtco				
Dimensions	Similarity	Differences		
Measure slope of geometric figures	Both do	Algebra is for straight lines and calculus for curves		
Measure length, area, and volume	Both do	Algebra is for straight lines, polygons, and some definite geome- tries and calculus is for curved shapes and objects		
Measure direction, speed, distance, acceleration	Both do	Algebra is about recti- linear motion, 'average speed' and calculus is about curvilinear motion and instanta- neous speed etc.		
Measure work done by a force, mass of a	Both do	Algebra is about con- stant density and force		



alkaline groundwater. Zeolites found in nature are almost never pure. They are contaminated by other minerals, metals, quartz, or other zeolites.

WHERE IS IT FOUND?

For many years, zeolite minerals were thought to be found only in vugs and fissures in volcanic rock. In the 1950s, however, zeolites were found in abundance in altered volcanic tuff in the western US and volcanogenic marine tuffs in Italy and Japan.



ANGUAG ZOOMORPHISM **ZERO (LIMIT, CALCULUS)**

oomorphism is an extremely interesting term. In fact, it is the opposite of a term called Anthropomorphism. In the latter, one assigns human qualities, traits or characteristics to animals. In the former, one takes animal traits and assigns them to non-animals (humans) or non-animal situations. It is essentially using animals, animal traits and behaviour in order to better describe a person or a situation.

The simplest way of understanding this is to call a friend who never has time, a BUSY BEE! Here, we have taken a very well established and classic attribute of the perennially hard-at-work Bee and used it to describe a person – thus making this a Zoomorphism. It is also very simple to remember, since the word 'Zoo' will always and instantly recall animals!

What is also very striking, particularly for students and fans and followers of Comics is that many superheroes are a physical manifestation of Zoomorphism - the obvious examples that immediately spring to mind include the iconic and beloved Spiderman, Batman, Antman, Catwoman and Black Panther. Now let us examine an example of Zoomorphism in terms of a relatable life situation. Read this sentence – Kartik's resignation ruffled many feathers in the company! The expression 'ruffled many feathers', which is used to communicate 'caught people's attention and made headlines' is a perfect example of a zoomorphism being used in a situational context. It would be a fun and immersive exercise to try and write down sentences of your own that use zoomorphism in people and situations.

ZINNIA



Zinnia is a genus of the family Asteraceae, containing about 20 species of annual and perennial plants, native primarily to North America with a few species in South America. The most popular species is 'Zinnia elegans', which is native to Mexico.

in quantifying 'real-world' things (natural, social, and even economics/management sciences), and conceptually equip readers to easily, and independently dig deeper in calculus if need be. Indeed, calculus is 'real analysis'.

MATHS

By Sandeep Srivastava

Educator since 20 yrs, he

specialises in making

Maths easy and fun

erhaps half of modern math needs real

numbers and continuity – the realities

that are best addressed by calculus. Clear-

ly, calculus can't even be introduced in an

article. So, the scope of this article is limited

to appreciating the unique need of calculus

The invention of calculus resolved one of the biggest challenges that mathematicians (and scientists) faced for nearly two millennia – how to correctly define and predict 'dynamic situations' (such as diffusion of gases/smoke/perfume, volume of a heap of something, stress points in skyscrapers and bridges, electric circuits with capacitors or inductors). The 'answers' given by calculus are so real that the need for what we call calculus was apparent in the development of the method of exhaustion around fifth century BCE. It may help to know that formal math education is significantly responsible for the 'tough' label attached to calculus. However, there is nothing intrinsic to calculus that actually requires trigonometryor any other difficult math. Indeed, the only real prerequisite to understand calculus is algebra. Calculus is not just the omnipresent domain

of math, it's an apt reminder of the superlative human thought. In math, it is matched only by Euclidean geometry (it was the first, and unparalleled foundation for a domain of knowledge by one man).

Zero made arithmetic move from abacus to page

There was no zero in abacus, but its design facilitated the arithmetic operations. The Roman numerals, used exclusively till mid of the second millennium in Europe, don't have zero as a numeral.

Power to people

Zero gave people power as they could do calculations without the need for an abacus (it needed training and practice to be used). Power to Newton to start a 'new math'

No less revolutionary change due to zero was that it drove Isaac Newton, in the mid-17th century, to invent calculus. Newton used intuitively attractive idea of infinitesimal quantity that is not zero but nearly zero to calculate 'instantaneous' rate of change of things that are changing

Welcome to the (dreadful) calculus

All things around us change over time, and calculus helps us describe how things change - their rate of change. For example, calculus helps us find instantaneous acceleration of a free-falling body (i.e., falling under gravity only); the body

Calculus uses two inventive concepts limit, and continuity-to find rate of change in quantities at any instant (and thus, instantaneous values of variable quantities) and to find magnitudes of quantities between two instants, or any other variable.

Daily life usage of math

Limited to numbers and arithmetic, very limited algebra if at all; for example, counting and discreet measurements of things/money/speed/time, 'average speed over a time period', area and volume of objects such as cubes, cuboids, spheres, etc. A sad commentary of the 'math in our lives' – we hardly deal with 'continuous quantities' (i.e., those changing at all times and by unknown amounts) in everyday routine, it is all about discrete quantities (i.e., those changing in expected/known quantities, at expected/known times). Thus, constant rate of change, at least over a discrete period, i.e., linear variation is all that we know. Science and technology is still limited to a minuscule proportion of population.

Functions

Functions is what we use to mathematically describe these real world relationships. They are used to capture how we model change, how we 'see, know' change, away from the reality they represent.

It may be added that 'function' must not be new, or intimidating, because they are the broader category for algebraic expressions and equations. Polynomials are functions. Functions are Input-Processing-Output expressions specific to situations, and their output is ordered pairs (series of two numbers much like coordinate pairs); for example, the algebraic function for area of a square is x2 and it generates ordered pairs – (side, area). Functions - the two kinds

The world of polynomials we know are the one kind – discrete functions; this is the domain of algebra.

The other kind - continuous functions; variables and their values are continuous (variables such as acceleration of a vehicle, magnetic field of a piece of wire, etc. and these values are real numbers). This is the domain of calculus.

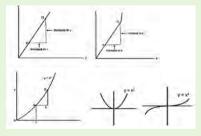
Algebra Versus Calculus – New knowledge on

body		is about varying densi ty and force situations
Dealing with func- tions	Both do	Algebra is about findir value of the function a a point and calculus it slope at any point

The complementary relationship of the two is writ large. No wonder algebra is the only true pre-requisite for calculus, for example, to be able to appreciate the idea and measurement of area, volume, acceleration, etc.

Two kinds of functions, graphically

The straight line functions carry a rate of change that is constant (except when the slope of the lines change, as is the second straight line graph after the point Q). The curved function shows a relationship when the rate of change is constantly changing – the slope of the graph is changing every 'instant'.



The slope of functions is very important

Slope of a function gives the rate of change of the function; it is best evaluated at a given point. It gives away the following simple information about a function (of course, there are more): 1. The direction of change, increasing or decreasing.

2. The degree of sensitivity of the dependent variable on the independent, i.e., the quantum of change in the former due to a small change in the later. For example, a slope of 4 at a point means the y-axis will grow 4 times the (small) change in x-axis.

3. Determining if the rate is 0, or 1-two special relationships of the variables; and how fast the function may be approaching the value of 0. 4. Compare any set of functions to know if they are parallel, perpendicular, or converging, and the rate of convergence.

USES Zeolites can be used in domestic and commercial water purification, water softening,

and other uses. Zeolites were also found to help silver naturally emit light, which may compete with fluorescent lights or LEDs. Zeolites can be used to store solar heat harvested from solar thermal collectors. The largest use for zeolite is



the global laundry detergent market.

FUN FACTS

The name 'zeolite' is derived from Greek words meaning 'boiling stones' because the minerals frothed when heated to high temperatures.

7 Zeolites give off heat when rehydrated. An old field test to determine if a rock sample contained zeolites was to see if a rock chip heated up when placed on the tongue.

Zeolites adsorb ethylene and are used to prolona **5** the shelf-life of vegetables and fruit, which emit ethylene as they ripen.

Zeolites were used to adsorb radioactive isotopes 4 from contaminated cooling water spilled at the Fukushima nuclear power plant after the plant was damaged in the March 2011 magnitude-9 earthquake in Japan.

5. The maximum and minimum value of a function - local (within a limited range of the variables) or global (over the entire range values)

Finding maxima and minima is of great practical and scientific value, and it's the value of the function at which the slope is zero (and turns positive or negative thereafter).

Indeed, the most important characteristics of non-linear functions is their slope, the continuously changing slope to be precise; the slope is the curve/function!

To the point, calculus gives us the 'formula' for finding instantaneous rate of change. Once again, there is far more to calculus but this presents the key idea of calculus.

BOTANY ZANTEDESCHIA

antedeschia is a genus in the family Araceae, native to southern Africa. The genus contains 8 species and numerous cultivars of herbaceous perennials, divided into two main types: hardier outdoor forms with striking white flowers, called Arum Lilies, and the more tender forms with whitespotted leaves and colourful flowers, com-Zygopetalum is a genus of about 15 strongly scented and have green monly known as Calla Lilies. Zantedeschia is widely popular and a beautiful addition to any garden. These plants can be grown in America. This plant produces beds, borders, containers, but also in water (Zantedeschia aethiopica).



ZYGOPETALUM

species of flowering plants in the family Orchidaceae, native to South purple colour on their lips. These waxy-looking, exotic patterned and restrial and epiphytic, mainly in coloured blooms. The blooms are cooler high altitude regions.

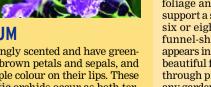
ish-brown petals and sepals, and exotic orchids occur as both ter-

ZEPHYRANTHES

Zephyranthes is a genus of about 90 species of flowering plants, mostly perennials, belonging to the Amaryllidaceae family. They are native to southeastern United States, Central America and South America.

These plants have grass-like foliage and erect flower stalks that support a single flower consisting of six or eight petals. The flowers are funnel-shaped and more often appears in spring and summer. These beautiful flowers range from yellow through pink to white and can fit in any garden. Some species have sweet fragrance which spread happiness and joy.





CLICK HERE: FOR PAGE 3 AND 4

illions of dollars go into the development of

Can everyone afford it? The answer is a big

blunt No! People with money can afford this. Bill Gates

house, Xanadu 2.0 is the best example of technologi-

cal advances coming at a price. Impoverished people

technology worldwide. Is technology affordable?

SCHOOL IS COOL

It's not just a place where you get to learn Einstein's Theory of Relativity. It's also a place where you can think beyond the classroom. Hence we say, SCHOOL IS COOL!

WEDNESDAY, DECEMBER 1, 2021

Technology is creating inequalities

want to share my own experience. When I was in class IV, i.e. in the year 2017 or 2018, we had only the basic small phone and did not have a smart phone. Once when we went to watch a movie, we were told at the ticket counter that as they did not have a hard copy of the tickets, it would be sent on whatsapp. The counter person asked for my father's mobile number. When he was told that we didn't have a smart phone, he refused to issue tickets to us. "You have to have a smart phone, why don't you have one?" he laughed at us. Although, we saw the movie in another theatre, we couldn't forget that incident. At the end of 2018, we bought a smart phone and faced no such hassles again. Smart tech is still not accessible to many in the country, creating inequalities.

ABHIRAM G. class VIII. Sister Nivedita School, Ameerpet

e cannot stamp out technology from our lives. Technological advancements are a boon in all fields. In the medical field, tech advancements are saving precious lives. Entrepreneurs in various fields have generated numerous new jobs and higher

incomes for many. In Covid-19 pandemic, technology helped people know the protocols to be followed to

save lives. Students were benefited by technology to carry on with their studies through online apps. Technology is definitely an asset in all sectors.

BHAVYA LAKKIMSHETTY, class IX, Sister Nivedita School, Hyderabad

WORKING TOWARDS

Usha Ramaswamy, Senior School Head,

SUSTAINABLE GOALS





odern technology has revolutionized the world. Every aspect of human life is now replaced by technology. Technologies are open to all. Be it poor or rich, anyone can access the technol-

ogy. For instance, many modern billionaires were once from the lower and middle

changed their fate and the fate of million others with the help of technology. Technology has created millions of jobs just for anyone with the right skills.

R SREE LASYA, class VIII-Tulip, Sister Nivedita School, Ameerpet





MAHABALIPURAM'S ASTOUNDING BEAUTY

hen I was eight years old, I went to Mahabalipuram with my family and my uncle's family. We started our journey early in

the morning by car. When we reached the place, my sister and my cousin had astonished looks on their faces as they looked at something behind me. So I turned to see and was shocked

too. There stood a big gopura and pillars which were carved exquisitely. It gave me a historic feeling. We looked around and there were several shrines and rocks. We took a lot of photos.

We walked for a while and found a shore! We played in the water and had lunch at a nearby hotel. At the end of the day we were exhausted, so we went to the resort my uncle had booked and

03

took rest. The next day we went to see a few more places like the Ganesha and Krishna temples. We felt a little sad to leave the place but promised ourselves to come

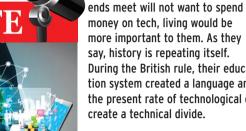
back again some day. This was the best experience I ever had!

THANNISHTHA SHANKAR, class VIII, Sister Nivedita School, Ameerpet



FOR A TOBACCO-FREE COMMUNITY





D

International School

During the British rule, their education system created a language and culture divide and the present rate of technological development will

have almost no access to modern

tech. People who cannot make

K KRISHNA KAUSHIK, class VIII-A, Birla Open Minds

classes and they have

Today, technology has become an integral part of our lives. It has enabled us to reach Mars! Technology has made sharing of data more effective so that society can address the challenges of the modern world. Technology is nothing more than a weapon that can be used for either safety or destruction. We need to decide how it needs to be used, and can-

ty, then it is we who are contributing to this cause. Rather than blaming technology, we should contemplate that technological innovations can lead to more income and job prospects and to more equity for all.

TUSHITA MISHRA, class VIII-A, Birla Open Minds International School

verything in the world comes with its own pros and cons; it depends on how we choose to see.

not blame the weapon. If technology is aiding in the spread of inequali-

Gitanjali Devashray

The Shri Ram Universal Schoo

Hyderabad

he Shri Ram Universal School, Hyderabad held Shri Colloquium, a two-day long student led conference focused on the UN's 17 sustainable development goals.

The aim of the conference was to 'ideate and establish' workable solutions for major problems specified under the Sustainable Development Goals listed by the United Nations; thus, this platform was a perfect opportunity to promote student learning and building human connections in the pandemic-hit times.

As many as 85 students from 10 schools participated to discuss world issues and social justice issues raising hopes for a better future, which seemed like a light at the end of a tunnel in this highly polarized world.

Shri Colloquium painted a compelling picture of the rationalizing ability and the exceptional thought process of the young delegates, comprising students from classes VII, VIII and IX.

On the whole, event organizers, coordinators and the participants together navigated many challenges and contributed to the larger mission of making a difference in the world.





Important' was Conducted at Gitanjali Devashray for classes I and II to sensitise children to respect all jobs that contribute to society and to remind them that no job is either menial or better than the other. Children understood that each job had a crucial and an indispensable role to play and must be acknowledged for its contribution. An elocution com-

petition on the topic was conducted online. Dressed as community helpers, children proudly spoke about the important role each occupation played.

SE Attapur believes in community health and welfare and instills the same in its students, motivating them to be responsible citizens.

Taking the legacy ahead, Principal Augustine Thomas administered a pledge against addiction to tobacco to the sub-staff of the institution to raise awareness among them about the ill-effects of tobacco usage. It was a step to

Veena Janiirala. IT HOD, Delhi School of Excellence Attapur ensure that tobacco products are not used in and around the vicinity of the school in order to promote a tobacco free environment.

mentum to the initiative by conducting various awareness activities like Postermaking, Quiz, Group discussions, Speeches, etc. The senior students of the school pledged to raise awareness in the community. On the whole, the initiative motivated the students to think beyond themselves and focus on creating healthier conditions by playing an active role in bringing about dents of DSE added mo- the change in society.



Remembering Indira Gandhi

The teachers and stu-

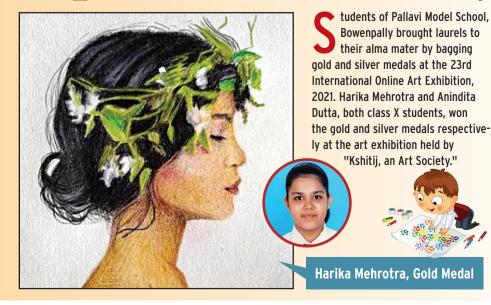
allavi International School, Keesara organised a special assembly on the National Integration Day on November 19 (also known as Quami Ekta Divas) that is held to commemorate the birth anniversary of the country's first-ever female prime minister, Indira Gandhi.

The meaning of the word 'integration' was explained by Tejaswini of class VIII in the assembly. N Arjun Reddy, Ganga house captain, highlighted the purpose behind celebrating

Pallavi International School Keesara, Hyderabad

this day which is to stress on the importance of unity in diversity in a socio-culturally rich country such as India. M Puneeth of class VIII highlighted the life journey and political decisions of Indira Gandhi that made her the 'Iron Lady' of India. Students also shared the inspiring guotes of Indira Gandhi.

Impressive artworks fetch medals





Anindita Dutta, Silver Medal

Memory and Communication Workshop

Little Leap

Boost your child's short-term memory and empower them to become amazing impromptu public speaker.

An eminent participation certificate to all our little champions.



I have only one talent. I can work harder than anyone else. Abhinav Bindra, Indian shooter

SSIWINS SEVENTH

Spain and Barcelona player Putellas crowned women's winner; Lewandowski, Pedri among other winners

Argentina beat Brazil 1-0 in the fi-

nal in Rio de Janeiro as Messi won a

major title with his country for the

first time. He also scored 38 goals in

48 games in his final season with

Barcelona and won the Copa del Rey.

times and scored four goals for PSG

since joining the French club and there

was a feeling that this year might see

LEWANDOWSKI

BEST SCORER

However Messi has played just 11

my teammates."

a different winner.

THIRD WOMEN'S EDITION

This is just the third year that a women's Ballon d'Or has been awarded, with Putellas following in the footsteps of Norway's Ada Hegerberg, winner in 2018, and the United States' 2019 World Cup superstar Megan Rapinoe.

Spain international Putellas 27, captained Barcelona to vic tory in this year's Champions League, scoring a penalty in the final as her side hammered Chelsea 4-0. She also won a Spanish league and cup double with women's game.

tional, it's a very special moment," she said at the Paris ceremony through a translator. "I would like to start by thanking all my teammates, espe cially my current (Barcelona) teammates. For me it's a collective success.

In other awards, the Kopa Trophy for the best under 21 player went to 19-yearold Spain and Barcelona

eye at Euro 2020 and reached the Olympic fi-

I don't know how many more years I have left but I hope there will be many because I am really enjoying myself this year. Although I always put the collective forward, I cannot hide my joy at having been able to win another Ballon d'Or. I want to thank you and dedicate to all my colleagues and @afaseleccion staff for the beautiful year we have lived through. Also those I had at @fcbarcelona and those at @psg

SIMPLY SPORTS

WEDNESDAY, DECEMBER 1, 2021

seventh time, ending the year in style after a brilliant final season with Barcelona and earning his first major international trophy with Argentina. Alexia Putellas became the third winner of the women's award for an outstanding season with Barcelona and Spain.

ionel Messi won the

men's Ballon d'Or for

a record-extending

MESSI OVERJOYED

Now 34, Messi pipped much-fancied ri vals like Robert Lewandowski and Karim Benzema to take the award in a glittering ceremony in Paris, the city he now calls home after leaving boyhood club Barcelona for Paris Saint-Germain in August. Despite his tearful goodbye from Barcelona and his relatively underwhelming start to life in France, the jury of journalists from around the world rewarded him in particular for captaining Argentina to their first major international title since 1993.

"Two years ago I thought I was coming into my final years but here I am again back here," said Messi, who won the last edition of the Ballon d'Or in 2019 before last year's awards were cancelled due to the pandemic. Messi also won in 2009, 2010, 2011, 2012 and in 2015.

"People were starting to ask me when I was going to retire but now I am here in Paris and I am very happy," he said at the Chatelet Theatre in central Paris, where he was joined by his wife Antonella Roccuzzo and their three children.

"What I achieved with Argentina





had to settle for second place in the voting for the Ballon d'Or, which is organised by France Football magazine and voted for by a panel of journalists from around the world. Lewandowski instead was given a consolation prize for the year's best

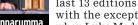
goal-scorer and received glowing praise from Messi. "I wanted to say to Robert that it was an honour to go up against him. He deserved to win it last year," Messi said. Midfielder Jorginho, who won the

Champions League with Chelsea and Euro 2020 with Italy, came third, followed by Real Madrid's Karim Benzema and Chelsea player N'Golo Kante. Five-time winner Cristiano Ronaldo came sixth. He was absent from the ceremony. Between them, Messi and Ronaldo have won 12 of the Barca, the club she joined as a teenager in 2012 and who are fast becoming the dominant force in the

"I'm very emo-

midfielder Pedri. He caught the

was a dream come true. I think I won this trophy thanks to what we did at the Copa America, so I dedicate it to Gianluigi Donnarumma



last 13 editions of the Ballon d'Or with the exception coming in 2018 when Luka Modric claimed the prize.

The Lev Yashin for best goalkeeper wa won by Gianluigi Donnarumma, who helped Italy win the Euros. Agencies

Lakshva Sen

LEADS ND AS

Focus will be on Lakshya, Satwik-Chirag as best Indian team start World Tour Finals

nal.

V Sindhu will look to ensure that her consistent run yields a title, while all eyes will also be on the fast-rising Lakshya Sen and the men's doubles pairing of Satwiksairaj Rankireddy and Chirag Shetty as they make their debut at the BWF World Tour Finals beginning in Bali on Wednesday. It will be the best ever representation for India at the year-end tournament with as many as seven of them qualifying for the USD 1,50,000 event.

Save for mixed doubles, the Indians compete in all other categories with Ashwini Ponnappa and N Sikki Reddy, who made the cut after the completion of the Indonesia Open last week, set to represent the country in the women's doubles event.

In fine form

The only Indian to win the prestigious title in 2018, reigning world champion Sindhu was a finalist at the event the year before and she will look for another good outing when she opens her campaign against top seed Pornpawee Chochuwong of Thailand in group A.

Sindhu, a two-time Olympic medallist, has been consistent with three semifinal finishes in the last three events and is likely to make it to the knockout stage. The 26-year-old from Hyderabad is expected to finish among the top two in the group as she has a good record against the other two opponents -- Denmark's Line Christophersen and Germany's Yvonne Li.

Srikanth, only the fourth player ever to win four Super Series titles in a year, has looked in good touch in the last few events with semifinal finish-

es at Indonesia Masters and Hylo Open. The former world No.1 had reached the knockout stage of the year-ending event in 2014 and he will look to relive those moments when he begins his campaign against Malaysia's second seed Lee Zii Jia in group B, which also comprises France's Toma Junior Popov and Kunlavut Vitidsarn of Thailand.

Tough grouping

Debutants Lakshya and Satwik-Chirag have been clubbed in the 'group of death' and it will be extremely tough for them to qualify for the next stage. Lakshya, who had won five titles in

2019, has been clubbed in Group A with top seed and Olympic champion Viktor Axelsen, two-time world champion Kento Momota of Japan and Denmark's Rasmus Gemke.

The 20-year-old from Almora, who had reached the finals of the Dutch Open and achieved semifinal results at the Denmark Masters and Hylo Open, will open against Rasmus.

World No.11 Satwik and Chirag will face top seeded Indonesians Marcus Fernaldi Gideon and Kevin Sanjaya Sukamuljo, world No.3 Chinese Taipei's Lee Yang and Wang Chi-Lin and world No.10 Denmark's Kim Astrup and Anders Skaarup Rasmussen in group A.

In women's doubles, Ashwini and Sikki will have to compete with Japan's second seeds Nami Matsuyama and Chiharu Shida, Bulgaria's Gabriela Stoeva and Stefani Stoeva, and Chloe Birch and lauren Smith of England for a place in the knockout stage. PTI

CROATIA BEAT ITALY TO MAKE DAVIS CUP SEMIS

Mate Pavic

¬roatia became the first team I to reach the Davis Cup semifinals after seeing off Italy 2-1.

With the singles squared, the topranked doubles team of Mate Pavic and Nikola Mektic had no trouble seeing off Fabio Fognini and Jannik Sinner 6-3, 6-4 in the decider. Sinner replaced Simone Bolelli after winning his singles, which took nearly three hours. But he and

Fognini couldn't get a break pen," Gojo said. "It was a repoint against Pavic and Mektic, winners of Wimbledon and the Olympics this year.

Croatia, a two-time champion, awaits Serbia or Kazakhstan. Their quarterfinal is on Wednesday in Madrid. Bor-

opening singles against Lorenzo Sonego 7-6 (2), 2-6, 6-2. Gojo, who is 252 places below the 27th-ranked Sonego, turned around a 4-1 deficit in the opening set to force the tiebreak. Sonego rallied in the second set but continued to make errors in the third, including wasting three break points in the seventh game. "I knew third set it was either one's game - one set,

Nikola Mektic anything can hapally tough game at 4-2 and I managed to hold. So, yeah, I'm really happy."

Sinner evened the score when he beat former US Open champion Marin Cilic. In the other quarterfinals

na Gojo set up Croatia's win Russia play against Sweden by surprisingly taking the in Madrid on Thursday. AP

QUIZ TIME!

In tennis, how many point(s) does "love" mean? a. 5 b. 15 c. 0 d. 10

7. Which among the following . is not a correctly matched pair? (Countries - National Game) a. USA - Baseball

b. Pakistan - Field Hockey

- c. China Table Tennis
- d. All are correct

3. Who won the first Hockey World Cup?

a. Belgium b. France c. UK d. Pakistan

Q4. Who among the following is the first batsman to hit six sixes in an over? a. Garfield Sobers

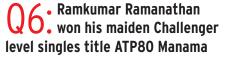
b. Ravi Shastri

c. Ted Alletson

d. Kapil Dev

Q5. Who was the winner in Javelin Throw in the 2021 **Diamond League event for men?** a. Andreas Hofmann

- b. Jakub Vadleich
- c. Johannes Vetter
- d. Tomas Walsh





event at Bahrain recently. Whom did he outplay in the summit clash? a. Jay Clarke b. Evgeny Karlovskiy

c. Alexandar Lazarov d. Yanki Erel

7. Which among the following • cricketers has not won the "Rajiv Gandhi Khel Ratna "award? a. Sachin Tendulkar b. Kapil Dev

- c. Virat Kohli
- d. M S Dhoni

Q8. Who was the first male player to complete the **Career Grand Slam on three** different surfaces? a. Andre Agassi b. Roy Emerson

c. Jim Courier

d. Rafael Nadal<

Q9: Who was the first Indian to become the junior Wimbledon Champion? a. Premjit Lal

- b. Vijay Amritraj
- c. Ramanathan Krishnan

d. Leander Paes

- 2. d. All are correct
- 3. a. Belgium
- 4. a. Garfield Sobers
- 5. c. Johannes Vetter 6. b. Evgeny Karlovskiy
- 7. b. Kapil Dev
- 8. a. Andre Agassi
- 9. c. Ramanathan Krishnan