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INEQUALITY TO GROW

The pandemic widened the gap between the rich and the poor. According to economists, the richie rich have grown richer, courtesy the stock market increases, driven by the pandemic successes of tech giants like the Amazon, Netflix, Zoom, etc. Similarly, those in full-time work, often in highly-paid jobs working from home, have accumulated substantial savings, since there is less avenue to spend their wages on. While America's 651 billionaires have increased their net worth by 30% to \$4 trillion, a quarter of a billion people in the developing countries have lost their livelihoods. This trend is likely to continue, predict market gurus

GLOBAL ECONOMY TO EXPAND

According to PwC, the global economy is expected to expand by around 5% in market exchange rates, which is the fastest rate recorded in the 21st century. However, the expansion is dependent on a successful deployment and spread of effective Covid-19 vaccines and continued accommodative fiscal, financial and monetary conditions, it adds

GLOBAL DEBT TO INCREASE

Estimates from the International Monetary Fund's (IMF) October 2020 World Economic Outlook show that the G7 public debt is projected to increase by around \$4 trillion in 2021, which is significantly lower than the \$7 trillion increase recorded last year. In relative terms, this translates to a public debt level of around 140% of G7 GDP, reflecting the level of support the workers and businesses continue to require, as we gradually exit the health emergency. By comparison, in the Emerging 7 (E7) economies, public debt is expected to increase by around \$2 trillion

Juote unquote

I learnt a lot last year. The first thing was patience, because we had no tournaments for a couple of months. We couldn't step out or play badminton, and we needed to have patience. Covid also taught me to stay positive. But the most lesson that life has taught me is not to get disheartened by the losses. I always believe that when you start, you lose some and you win some. When you lose, it's a sad feeling, as you always want to win. But remember, life is not

about winning all the time. More important, you learn a lot more from your losses. I have learnt a lot more from my losses. It helps

> vou to come back stronger the next time. PV Sindhu. badminton

> > player

PASTA TO BISCUIT: YELLOW GRUB BECOMES EU'S

How the world will fare in 2021

The coronavirus has crippled the world economy. The global GDP suffered its sharpest drop since the end of the second World War in 2020. Will 2021 bring in some remarkable changes? We find out..

THE WINNERS AND LOSERS According to

fortable position. IGH TIME FOR THE DEVELOPED experts have painted a rosy pic-

tries lack both the economic resources to acquire enough vac-**IES** For rich countries cines and the public health syssuch as the US, UK and Europe, tems to treat large numbers of Covid patients, they will end up



THE GREEN PASTURES

economists, the big winners are likely to be countries like China and South Korea that succeeded in suppressing Covid-19 early. China's economy is likely to grow twice that of the most successful western countries, predict economists. They reason: China's export-led economy has actually benefited from the lockdowns in western countries. Western demand for household consumer goods and medical supplies, which surged in 2020, has put Beijing in a com-

summer 2020, their economies stagnated. This was driven by the second wave of the pandemic, forcing further lockdowns. In the US, the unevenly-applied lockdowns resulted in a decline in consumer confidence, leading to a decline in businesses in various sectors. Even with some recovery next year, these economies are expected to be 5% smaller in 2022, predict experts.

ERS As the developing counficult times.

ture. After brief recoveries in as the biggest losers, feel economists. They also can't afford the huge government subsidies that have prevented mass unemployment in Europe and the US, add experts. With demand for their raw materials crippled by the recession in the west, and little aid available from the rich countries to alleviate their large debts, they can ill-afford further lockdowns. Even formerly fastgrowing countries like Brazil, India and South Africa face dif-

Experts believe that 2021 will be the first year, where the three main economies or trading blocs of the world – the US, the European Union (EU) and China – will refocus their efforts in fighting the climate change

The US is expected to re-join 🚄 the Paris Accord and host an international climate summit



Similarly, the EU member **i** states are expected to finalise their plans to accelerate the transition towards a greener and a more digital economy by the end of April this year

The EU Commission is also texpected to release the first tranche of grants and loans worth around 0.5% of Eurozone GDP (or 5% over five years) to speed up the process

Scientists introduce new twist to learning periodic table



o make chemistry more interesting for the students of first-year chemistry graduates, who find it a daunting task to interpret the periodic table of elements, researchers in the US have introduced an innovative way to make learning about the elements much more approachable- by using 'pseudo' periodic tables filled with superheroes, foods and apps. The researchers replaced the pseudo periodic versions of the elements with single items to demonstrate one or more concepts needed to understand the trends and layout of the real chemical one. For example, a superhero table featured characters, such as Superman, Wonder Woman and the Green Lantern, prompting in-class discussions among the students on how to group the icons by ability, strength, gender and other properties - just as the elements are arranged in the real periodic table based on their similarities. Over 75% of students taught with this strategy found it extremely useful.

An increase in the correct answers relating to the subject on mid-term exams suggested that these periodic tables improved students' comprehension. The researchers say that the familiar items reduce stress and help students to successfully build their base of chemistry knowledge

I did it for my kids: Ben Affleck on playing Batman

Actor Ben Affleck has revealed that he played Batman in DC films because he wanted to impress his children. "I wanted to do it for my kids. I wanted to do something that my son would dig. I wore the suit to my son's birthday party, which was worth every moment of suffering on 'Justice League'," he told The Hollywood Reporter.

Affleck first donned the directed by Zack Snyder cape and cowl in 2016's 'Batman v Superman: Dawn of Justice', where he squared off against Henry Cavill's Superman, who was first seen in 2013's Man of Steel, both of which were

ENTERTAINMENT

He also returned in a cameo as Batman in 2016's 'Suicide Squad', which, like 'Batman vs Superman', was savagely bashed by the critics, though both put up decent box office numbers

FIRST INSECT FOOD



lworms may soon find their way into Europe's pasta bowls and dinner dishes, after becoming the first insect- approved in the region as a human food. The decision by the European Food Safety Agency (EFSA) paves the way for the yellow grubs to be used as whole and dried in curries and other recipes and as a flour to make biscuits, pasta and bread

Mealworms are beetle larvae, which are used in Europe as a pet food ingredient

- Rich in protein, fat and fibre, they are likely to be the first of the many insects to feature on the European's plates in the coming years
- People across the world including parts of Africa, Australia and New Zealand- already enjoy tucking into insect bars, cricket burgers and other grub-based food

Five vaccines that saved the world before Covid-19 came along **TETANUS** Tetanus causes painful muscle stiffness and lockjaw and can be fatal. Earlier, parents used to warn their kids about tetanus every time they scratched, scraped, poked on something metal. Nowadays, the tetanus vaccine is a part of a disease-fighting vaccine called DTaP, which pro-



POLIO

According to the Centre for Disease Control and Prevention, polio is a crippling and a potentially-deadly infectious disease that is caused by poliovirus. The virus spreads from person to person, and can invade an infected person's brain and spinal cord, causing paralysis. Polio has been eliminated in a number of countries through inoculation.



INFLUENZA

vides protection against tetanus, diphtheria, and pertussis (whooping cough).

Flu is a respiratory illness caused by the influenza virus that infects the nose, throat, and lungs. Flu can affect people differently, based on their immune svstem, age, and health. Flu can be dangerous for children of any age. Therefore, scientists came up with a flu vaccine, which is usually given to the mother during pregnancy. Besides, babies aged six months and beyond, need a flu vaccine every year.

HEPATITIS B

Hepatitis B, which is spread through blood or other bodily fluids, are dangerous for babies, since the hepatitis B virus can spread from an infected mother to the child during birth. The first dose of hepatitis B vaccine is given to babies shortly after their birth.

RUBELLA

Rubella, which is spread by coughing and sneezing, is given to a pregnant woman, because if an unvaccinated pregnant woman gets infected with rubella, she can have a miscarriage or her baby could die just after birth.

02

Art is the instinctive application of the knowledge latent in the subconscious. -Austin Osman Spare

JAMES PRESCOTT

described Latent

Heat as a form of

potential energy.

JOULE

GASES

a fixed shape or

volume

do not have

100°C

0°C

FOCUS. LEARN. MASTER

TUESDAY, JANUARY 19, 2021

LATENT HEAT OF FUSION AND OF VAPOURISATION



JOSEPH BLACK Introduced the concept of Latent Heat between 1750 and 1762.

> **SOLIDS** have a fixed shape and volume

What happens when ice melts?



The temperature of the ice rises from -10°C to melting point of ice of 0°C



MY SCHOOL PROJECT ELECTRONIC ASPIRIN

Modern cure for headache WHAT IS IT?

• Electronic Aspirin is a device which deals with migraine attacks, clustered and severe headaches.

• It requires a minimal invasive surgery. Sphenopalatine Ganglion (SPG) is part of the human brain which sends pain signal to the body during migraine attacks. A chip known as ATI neurostimulator is implanted in SPG which blocks the pain signals from travelling to the body.

DISTINCT FEATURES

• Electronic Aspirin is a one-time surgery which cures the migraine attacks of a patient

• The normal Aspirin in form of capsule has many side effects like stomach ache, rapid breathing, confusion, coughing of blood, hallucinations, etc. however the Electronic Aspirin does not show any of the side effects

• It gives relief within few seconds from migraine attacks

HOW WE WENT ABOUT IT

• My teammates and I made a model of ATI neurostimulator for display

• However to demonstrate the working of it, we created a human brain cardboard prototype comprising LEDs, a receiver and transmitter. Coloured LEDs were inserted in the circuit to represent the pain loop

• In order to indicate pain in human brain the LEDs were powered on

• To demonstrate that ATI chip diminishes the pain, we used a remote which acted as ATI to switch off the LEDs and thus showing the human brain pain is reduced within few seconds

Ashmit Janjirkar along with Aaryan Ojha, Shaunak Beura, Antarikksh Ranka, class X, Gundecha Education Academy, Borivali (East), Mumbai





POSITIVE EFFECT

• People with cluster headache had a 68% improvement

8% reduction in attack frequency is observed in 43% of patients

pain reduction within 15 minutes of the attack



Using arts to enhance innate skills

rts are more than an aesthetic extension of our lives. When we use the term holistic learning and we talk about creativity, we must understand the interwoven nature of art and the human being. The arts in education encourage critical thinking, rational thought, and sensitivity to human existence and compassion. A good activity provides clear instructions and expectations. It incorporates one or more approaches as skills. beyond dialogues. Our goal is not to teach these skills but to facilitate ways to use these skills.

Sound and movement activity for analysing and reflecting - Students are more expressive or kinesthetic in terms of expression.

Follow the line: Ask students to follow the line in any scrambled painting for practicing visual skills and observation of the body while moving, and gestures in the process

Living sculpture: Observe a sculpture and ask students to pose like it.

> Yoga and asanas: Ask students what they know about yoga and asanas. Inform students that asanas are named after animals and plants. Assign the words 'Cobra', 'Frog', 'Lion', 'Lotus' and 'Tree' to students and ask them to form groups. Ask groups to figure out what the asana associated with their group ame might look like. Demonstrate a simple pose.

Writing and discussion-based activity for imagination and connection - Students create responses, interpret or connect ideas to their own lives before they apply it to looking at an artwork.

Identity

icebreaker: First reflect on their own identity. Ask them to think about three words that represent them and their identity. For example: do the words relate to their heritage, where they live, or their hobbies? Then ask them to scratch one of the words without revealing the actual word. Ask them how it feels to lose one of the items on their identity list. The last step is to scratch off the other word leaving just one.

Reflect: Observe what they notice about how they construct their identity. Does the construct have more to do with how they see themselves or how others see them? Did they notice how attached they become to those words and how difficult it was to lose some? This activity provides a great transition into exploring the concepts of identity in the work of art. Not only in regards to the subject matter but the identities of the artists and themselves as viewers.

Thought bubbles or comic strips: Encourage students to write in a bubble what the work of art is saying or thinking. By imagining, students get inside the head of the character and get a deeper understanding of the artwork; also using creative writing skills.

Archita Surti, vice-principal, Podar World School, Ahmedabad

CLICK HERE: PAGE 3 AND 4

A2Z OF CONCEPTS

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

Beginning the journey

alphabetical order, Times

subject every fortnight

of learning in an

NIE tells about one

concept from each

TUESDAY, JANUARY 19, 2021



03

toinie175@gmail.com WITH YOUR PHOTOGRAPH

C **CLASSROOMS TO EXPERIENCE ZONES**

GEOGRAPH

ANTIPODE

ny two places or regions that are on diametrically opposite sides of the earth are called antipodes. For example, the North and South Poles, China and Chile are diametrically opposite.

DID YOU Australia and New Zealand are KNOW called antipodes 'informally' by those living

in the northern hemisphere. The term emerged when the countries were discovered by British seamen in 1800 and were so named as they are almost diametrically opposite Greenwich, England.

ANGUAGE

IT'S ACTIVITY TIME!

TOPIC: WHERE IN THE WORLD ARE WE? AND WHO LIVES OPPOSITE US?

> STEP 1: Have students find the antipodes of their home. Here is a formula for determining the antipode of any given location: Find the latitude of your

home and change its direction. For example, if the latitude is south, make it north. Find the longitude of your home and subtract it from 180, then change its direction. For example, if the longitude is east, make it west. • You now have the latitude and Iongitude of the opposite point



on the globe.

STEP 2: After students have determined the antipode for their hometown, have each student choose a point on the globe to start digging. STEP 3: Ask the students to calculate where they would end up if they could dig right through Earth. **OPTIONAL:** Use stickers and students' initials to mark each pair of antipodes on a large map of the world.

\$2V/ MATHS

APPROXIMATION

Sandeep Srivastava, an educator for 20 years, has been trying to transform how maths is taught in schools. After having received education from IIT-Delhi and INSEAD-France, and having worked with MNCs, he redirected his focus onto making India a math-literate society. Srivastava is here to make maths easy for you

* 1 1 3 3 4 5 3 6 K

(De to



his is the simplest yardstick of economic performance. If one person, firm or country can produce more of something with the same amount of effort and resources, they have an absolute advantage over other producers due to enhanced efficiency.

TEACHER PROMPT: EXPLAIN WITH LIFE EXAMPLES

Every person and group has different skills. Writers likely write better than a baker. Construction workers know more about building houses than artists. When it comes



Jaipur-based **Communication Skills** Educator & Writer

By Kartik Bajoria

ABBREVIATION



t is ironic that a word which means 'short form' or short-version of a phrase/word, is itself, quite long! A derivative of the word 'abbreviate', meaning, to reduce, shrink, or shorten, Abbreviations have existed for a long time, in official as well as more casual parlance.

Initially in schools, abbreviations are intro-

motely 'fun'. It is the acronym for Financial

Today, abbreviations have acquired a whole



Underwriters Network!

new meaning. With 'chat-

ting & texting' becoming

the language adopted by

Gen Z, ROFL — Roll On

the Floor Laughing or

BRB — Be Right Back

have become the norm.

and Ranging

Do you know what the short form for Abbreviation

communicate with each other

duced as short forms of official bodies such as the UN – United Nations. Sometimes also known as acronyms, abbreviations, can be fun. For instance, the word FUN itself is an

abbreviation; how-

ever interestingly, it



hat's the 'Apple of math', what may 'A' stand

for in math? Did Algebra, or addition, cross

your mind? That's expected, Kindergarten

math completely cuts off 'approximation'

and almost starts with numbers. Worse, approximation

However, way before numbers kick in children's academic life, they can estimate and approximate. It is

is reduced to rounding-off numbers in Grades V/VI.

approximation that in-

forms them that fathers

are mostly taller of the

parents, and many

ing heights, weight, etc. Critically, such as guessing volume of a backpack. Creatively, by deceptively photographing something to look slimmer/shorter. First uses gut instinct— 'Qualitative approximation'. Measurement expressions of the kind 'The headache is intolerable', 'The headache is bad', 'I am ok, not sad', etc. Many such evaluations can only be qualitative in approximating them to some measure.

Second uses vision — Approximate Number System (ANS). It's the visual acuity to figure out quantitative difference as more or less. Many animals report this basic ability. For instance, which of the two wreaths has more flowers?



Being well-educated in ANS better - figuring out the fastis to be good in estimating moving queue. and comparing quantities. Let's find the queue with For example, figuring out more people (without the shorter queue, or even counting).

columns of desks is an easy ► Third is based on vision and a sense of small quanway to find bigger classtities - Subitising. It in- rooms

Being able to subitise is volving quickly identifying patterns/groups of smaller very important for childrenquantities of things, e.g., helps early understanding reading 1 to 6 on a dice's face of conservation, units, by just looking at it. Seeing composition of numbers, classrooms as rows and addition, subtraction, etc.!

SUBITISING IS OF TWO TYPES

PERCEPTUAL SUBITISING is usually up to 4 or 5. For exinstantly recognising quan- ample, reading the 5 dots tity of a small set of things, without counting.



Learning is a survival abilities, education must skill that children are born hone them for solid math with. Children are born foundation in academics, with ANS and subitising and in life.

to producing a good or service, some people or groups have advantages over others. Absolute advantage is used to describe the scenario when one person or group can produce the same amount of a product as another person or group, despite using fewer resources.

Countries with absolute advantage

One real-world example of absolute advantage is in oil production. Nations in the Middle East have an absolute advantage when it comes to producing oil. In oil-rich nations, businesses can use simple, inexpensive techniques to drill for the resource and get it in large quantities. In other countries, like the US, producing oil requires more expen-



sive efforts, such as offshore drilling. Many Central and South American countries have an absolute advantage when producing coffee. Chile and Zambia both have an absolute advantage in mining copper.

HOW TO CALCULATE ABSOLUTE ADVANTAGE

TEACHER PROMPT: Harry and Sally both like to knit and sell handmade scarves out of their home. They use the same raw materials and purchase them at the same price from the same store, meaning that the difference in production input is the amount of time it takes to make a scarf. Harry can make five scarves in 20 hours, and Sally can make four scarves in 20 hours. In this scenario, Harry has an absolute advantage because he can make one more scarf than Sally using the same amount of time. Put another way; he makes one scarf every four hours, and Sally makes one every five hours. Sally is 80% efficient in comparison to Harry in making scarves.

BIOLOGY **AEROBIC AND ANAEROBIC** RESPIRATION

is? It is Abbr. The term Radar we use quite

unassumingly actually stands for Radio Detection

TEACHER PROMPT: Hold a fun competition

wherein students have to use abbreviations to

AEROBIC RESPIRATION: It is the process of cellular respiration that takes place in the presence of oxygen to produce energy from food. This type of respiration is common in most plants and animals, birds, humans, and other mammals.

ANAEROBIC RESPIRATION: It is a process which takes place in the absence of oxygen gas. Example is the process of fermentation in yeast.

A misconception is that breath-ing and respiration are the same. It's not. Breathing is intake of oxygen while respiration involves release of energy in cells.



PT: INVESTIGATING PULSE RATE TO **UNDERSTAND AEROBIC RESPIRATION**

Divide students into groups of three or four. Ask them to design a table to record their results. Tell

them they are going to investigate the effect of exercise on pulse rate. Ask them to measure the pulse rate (pulse per minute) for each person in the group at rest (sitting down). After this, ask them to walk for 30 seconds before taking the pulse again of each other. Repeat the same after running. > After they have finished, ask them to write a paragraph describing their results using the fol-

lowing words and phrases: average; differences between individuals; increased heart beat; oxygen; muscles; respiration; rate; energy.

PART 2: EXPERIMENT WITH YEAST TO SHOW **ANAEROBIC RESPIRATION**

> Put some yeast in a bowl, add some warm water and a little sugar. Ask students to watch. ► Explain to class that yeast is a single-celled fungus. Like all living organisms, yeast gets its energy during respiration. Yeast can respire without the need for oxygen. As it respires, yeast

produces carbon dioxide and alcohol. ▶By now, the students would have noticed the froth developing in the form of bubbles and a smell.



HISTORY **ANITA ANAND**



IN THE NEWS FOR: British-Indian journalist and author Anita Anand's book that tells the story of a young man caught up in the 1919 Jallianwala Bagh massacre in Amritsar has won a prestigious history-literary prize in the UK. 'THE PATIENT ASSASSIN: A TRUE TALE OF MASSACRE, REVENGE

AND THE

RAJ' beat six other titles for the PEN Hessell-Tiltman Prize for History 2020, awarded for a non-fiction book of historical content.

04

"What makes something special is not just what you have to gain, but what you feel there is to lose." Andre Agassi, former tennis player

SIMPLY SPORTS

TUESDAY, JANUARY 19, 2021

NO COMEBACK FOR RAINA?

The road to IPL 2021 has kicked off with the BCCI announcing the last date to submit the list of retained and released players. The eight IPL franchises have been asked to submit the list by January 20. They can continue to trade players till February 4. The date of the auction hasn't been announced but it is confirmed to take place next month. Let's look at 5 players who could be shockingly released by their franchises

SURESH RAINA

Had Suresh Raina stayed in UAE for IPL 2020, no one would have questioned his future with the Yellow Army but his absence has certainly raised doubts. Even after Raina had hinted at making a return, N Srinivasan wasn't sure about it, thus confirming that he might have upset the management. Add to it Raina's poor run in the ongoing Syed Mushtaq Ali Trophy 2020/21; he has only scored 98 runs in four matches. And not to forget, his price of ₹11 crore. Raina could be offloaded if the management considers the mentioned factors. With 5369 runs, Raina is CSK's highest run-scorer and if released, it would be the most shocking release. Raina has been in IPL auction only once - in 2008.

LASITH MALINGA

One of the few players to have played for just one franchise, Lasith Malinga could be released if the management decides to retain the present set of pacers. A team can only have 8 foreign players, which could see MI making the tough call of releasing their senior pacer. Two years ago, it was Malinga who had bowled the last over of the IPL 2019 final and if released, the update would come as a big surprise. Malinga has been an integral part of MI for a decade and even when he didn't play for them - in 2018 - he joined MI as their bowling mentor.

AJINKYA RAHANE

Not a big surprise but considering that he left his previous team – Rajasthan Royals – for Delhi Capitals, Ajinkya Rahane's release could be a big shock. Rahane was RR's former captain and wasn't expected to be released after playing 100 games for them. Still, he decided to move on and joined DC. The senior batsman wasn't part of the playing XI on a regular basis in IPL 2020 and only scored 113 runs in 9 matches at a strike-rate of 105.60. Surely, the team management wouldn't be impressed with his performance and might look for others who can score quickly and consistently.

STEVEN SMITH

Another veteran who could be shockingly released is Steven Smith, under whom Rajasthan Royals endured a poor run in IPL 2020. The one-time champions only managed six wins and finished at the last spot. He did score 311 runs but couldn't inspire the team as a whole. Considering the team's poor run and his fee of ₹12 crore, Smith could be shockingly back in the auction after a long time.

DINESH KARTHIK

We have rarely seen franchises releasing their captains in a miniauction but that could be the case with Dinesh Karthik. Surprisingly picked for captaincy job over Robin Uthappa, Karthik hasn't had a great run in 3 years. In 2018, KKR somehow managed to qualify for playoffs while in 2019, they crashed out from the league stage. In 2020, he stepped down during the season, handing over the charge to Eoin Morgan. Considering Karthik's below-par performance and his price of ₹7.4 crore, the management might take a call on him. If released, it would be another big and shocking update.

I am thankful that I was able to pick five wickets as it was a very tough situation for me after my dad passed away. But after talking to my mom at home, I gained some confidence. The call with my mom made me mentally strong. My focus was to fulfill my dad's wish. MOHAMMED SIRAJ



BYJUS

HATS OFF!

Mohammed Siraj led the Indian bowling attack brilliantly in the Gabba Test where the Indian bowlers managed to bowl Australia out in both innings for 369 and 294 runs respectively. Siraj claimed just one wicket in the first innings but made a huge impact in the second innings where he bagged a 5-fer. India now need to score 328 runs for victory or bat all day for a draw

THE TOUR DOWN UNDER HASN'T BEEN A BED **OF ROSES FOR THE YOUNGSTER**

> Siraj lost his dad in November last year, but didn't travel back to India for the last rites due to biobubble restrictions with an eye on the coronavirus pandemic. If this wasn't a blow enough, he was subject to racial slur on day two and three of the Pink Test in Sydney, and a formal complaint was filed by the Indian team. Sirai also had to face the brunt of an unruly crowd on the fourth day.

> But the Hyderabad speedster defied all odds and came out firing on all cylinders on day four of the series decider at The Gabba. Siraj revealed

that it has been very tough for him. but a phone call from his mother gave the pacer much-needed confidence to go out and express himself. > Siraj in the fourth Test showed

why he was trusted to lead the attack after Jasprit Bumrah couldn't get ready for the game despite trying till the eleventh hour on Friday. "I want to thank god that I got the chance to play for India as it was my dad's wish too. If he was alive today, he would have been very happy. But I know his blessings were with me and I am speechless after

my performance," said Sirai

Photo: REUTERS

a) 2004 Athens Games 🔲 b) 2008 Beijing Games 🖵 c) 2016 Rio Games 🖵 d) 2012 London Games 🖵

7• Which Indian batswoman Q . has made the highest score in ICC Women's World Cup? a) Punam Raut 🔲 b) Mithali Raj 🔲 c) Harmanpreet Kaur 🔲 d) Smriti Mandhana 🔲

• Which woman cricketer holds **O**. the record for most runs scored in a single ICC Test match? a) Emily Drumm 🖵 b) Kiran Baluch 🖵 c) Sandhya Agarwal 🗅 d) Karen Rolton 🖵

Q9: The fastest hat-trick in a FIFA World Cup match was at 7 minutes. Which footballer holds this record?

a) Geoff Hurst 🖵 b) Gerd Müller 🖵 c) László Kiss 🖵 d) Pelé 🖵

0. Name the player who has taken the most catches in ICC Men's T20 World Cup? a) Daren Sammy 🖵 b) Ross Taylor 🖵 c) Martin Guptill 🔲 d) AB de Villiers 🔲

The most wins of the FIVB Q11 The most wins of the rive Volleyball Women's World Cup is 5, and was achieved by which of the following countries? a) the United States 🔲 b) South Korea 🖵 c) the United Kingdom 🖵 d) China 🖵

ANSWERS: 1 b) Ben Stokes 2 d) Cobus Reinach 3 a) Brian Lara 4 a) Simone Biles 5 c) Sunil Narine 6 c) 2016 Rio Games 7 c) Harmanpreet Kaur 8 b) Kiran Baluch 9 c) László Kiss 10 d) AB de Villiers 11 d) China

QUIZ TIME!

Q1. Which of the following cricketers holds the record for most sixes in ICC World Test **Championship?** a) Mayank Agarwal 🔲 b) Ben Stokes 🖵 c) Rohit Sharma 🔲 d) Jos Buttler 🔲

7. The fastest Rugby Union Q2. World Cup hat-trick came in 20 min 6 sec. Which player scored the goals? a) Damian Willemse 🖵 b) Steven Kitshoff 🖵 c) Herschel Jantjies 🔲 d) Cobus Reinach 🔲

• Which of the following Q3. players has made most runs in the Wisden Trophy? a) Brian Lara 🔲 b) Viv Richards 🖵 c) Shivnarine Chanderpaul 🖵 d) Desmond Haynes

<u>></u> >

viv0

Q4. The most gold medals won at the World Artistic Gymnastics Championships is 19. Name the gymnast who has bagged them.

a) Simone Biles 🖵 b) Vitaly Scherbo 🖵 c) Laurie Hernandez 🖵 d) Aly Raisman 🖵

Q5. Which of the following players have taken most wickets in Champions League Twenty20?

a) Ravichandran Ashwin 🗋 b) Doug Bollinger □ c) Sunil Narine □ d) Dwayne Bravo □

Q6: The oldest female Olympic gymnast is Oksana Chusovitina of Uzbekistan, who competed at the age of 41 years 56 days in the Games? Photo: GETTY IMAGES Oksana



first time playing for Barcelona as Athletic Bilbao stunned the Catalans to win the Spanish Super Cup, a dramatic final finishing 3-2 after extra-time. Moments hefore Bilhao's momentous triumph was confirmed, Messi threw an arm at Asier Villalibre, who had earlier scored a 90th-minute equaliser in normal time to deny Barca victory. Antoine Griezmann's double looked to have sealed the trophy but Villalibre intervened before Inaki Williams' fabulous strike three minutes into extra time proved decisive. It was a first ever red card for Messi in 753 appearances for Barcelona, to go with his two reds for Argentina in 2005 and 2019.

Lionel Messi was sent off for the

Lionel Messi shown first red

card of Barcelona career