

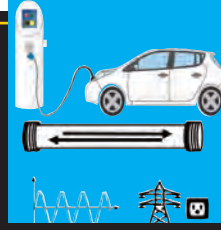


THE TIMES OF INDIA

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TODAY'S EDITION

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STUDENT EDITION

FRIDAY, DECEMBER 4, 2020



WEB EDITION

CLICK HERE: PAGE 1 AND 2

INDIA TO LAUNCH SHUKRAYAAN VENUS MISSION IN 2024

INDIA'S RENDEZVOUS WITH VENUS



If reports are to go by, India will now be launching its orbiter to Venus in 2024, a year later than planned. Named the Shukrayaan, the orbiter will be the first mission to Venus by the Indian Space Research Organisation (ISRO), which will study the planet for four years.

► ISRO has short-listed 20 space-based experiment proposals, including few from France, for the mission.

► According to ISRO, the scientific objectives of the Venus mission include investigation of the surface processes and shallow sub-surface stratigraphy; solar wind interaction with Venusian ionosphere, and study-

ing the structure, composition and dynamics of the atmosphere

► The payload capability of the proposed 2,500-kg satellite, planned to be launched onboard GSLV Mk II rocket, is likely to be 175 kg with 500W of power

► The proposed orbit is expected to be around 500 x 60,000 km around Venus

WHY VENUS?

► Venus is often described as the "twin sister" of the Earth because of the similarities in size, mass, density, bulk composition and gravity

► It is believed that both the planets share a common origin—formed at the same time out of a condensing nebulosity, around 4.5 billion years ago

► Venus is around 30 per cent closer to the sun as compared to the Earth, resulting in much higher solar flux

Mariner 2 was the first successful mission not only to Venus, but to any other planet. It made a flyby of Venus on Dec 14, 1962. The NASA spacecraft recorded Venus' temperature for the first time, which stated that it has a surface temperature of roughly 480 degrees Celsius. The spacecraft also detected the density, composition and variation of the solar wind



5 WEIRD FACTS ABOUT VENUS

1 There are more volcanoes on Venus than on any other planet in the solar system

2 As the bulk of its atmosphere is made of CO₂, an extreme greenhouse effect is warming its surface

3 While Venus is not the largest planet of the solar system, its proximity to the Earth makes it the brightest of all the planets

4 The ancient Babylonians tracked its wanderings through the sky in records that date as far back as 1600 BC. Greek mathematician Pythagoras was the first to discover that the brightest stars in the morning and evening sky were in fact the same object, Venus

5 Venus has phases like the Moon. When Venus is on the opposite side of the sun, it is in full phase; while it appears in a new phase, when it is between the Earth and the sun. In 1610, Italian astronomer Galileo Galilei became the first person to witness these phases

Spotlight

CBSSE BOARD EXAM 2021 TO BE HELD IN WRITTEN MODE ONLY, NOT ONLINE

The Central Board of Secondary Education (CBSE) has announced that the annual board examination for students of class X and XII will take place in pen and paper mode and not online. The CBSE Board has also said that students who are not able to appear for the practicals, alternatives will be explored.



The Union education ministry will be holding consultation with the teachers, students and parents on December 10 regarding the exams. Education minister Ramesh Pokhriyal Nishank had tweeted and asked the stakeholders to share their concerns

TECH BUZZ

WHATSAPP NOW ALLOWS USERS TO SET CUSTOM WALLPAPERS, USE STICKERS FOR EACH CONTACT

WhatsApp now allows its users to set custom wallpapers, use stickers for each contact. The messaging service has also updated its existing features by adding a selection of new wallpapers and stickers.

► In the latest update, it has also made it possible for the users to customise chats for different groups and individuals ► The latter features let users choose a specific wallpaper for each chat window, or individual contact, enabling them to set the mood for a conversation, as opposed to having a uniform background for all the conversations

► The recent update, available to the users of the Facebook-owned chat app, allows new colours to be added to default 'doodle' wallpapers. It has also introduced 'new, diverse and iconic images of nature and architecture' from different parts of the world to appeal better to geographically-disparate user base

► For fans of stickers, WhatsApp has made it easier to find by enabling search with text or emoji in the browse category

► The company has also introduced a new animated version of the popular World Health Organisation (WHO) 'Together at Home' sticker pack



LAHORE AGAIN TOPS LIST OF WORLD'S MOST-POLLUTED CITIES

Laure has again topped the list of the most-polluted cities in the world, according to the air pollution data released by the US Air Quality Index. According to the index, Lahore reported a particulate matter (PM) rating of 423. Lahore's AQI fell in the range of 301 and higher, which has been classified as 'hazardous.'

► Lahore is not the only Pakistani city to feature in the top 10 list for the worst air quality. Pakistan's largest city of Karachi is ranked seven on the AQI
► New Delhi ranked second with a PM of 229, while Kathmandu was the third-worst city with a PM of 178

NEWS IN BRIEF

ENVIRONMENT



Photo: AFP

Photo: Reuters

SINGAPORE FIRST COUNTRY TO APPROVE SALE OF LAB-GROWN MEAT

Lab-grown chicken will soon be available in restaurants for the first time after winning the green light from Singapore regulators. US start-up Eat Just said that its meat, created from animal cells and produced in bioreactors, had been approved for sale in the city-state as an ingredient in chicken bites.

Meat consumption is projected to increase over 70 per cent by 2050, according to Eat Just. However, experts have frequently warned that it is a key driver of climate change



Share your views at toinie175@gmail.com. You can post your comments at toistudent.com

Quote unquote

To beat Covid-19, we also need to defeat the parallel pandemic of mistrust that has consistently hindered our collective response to this disease, and that could undermine our shared ability to vaccinate against it. Governments and institutions have to build trust in the communities, where misinformation has taken root. Surprising as it may seem, there are still communities around the world that are not aware of the pandemic. Such communities are typically vulnerable and marginalised, living outside the reach of typical communication channels. We believe that the massive coordinated effort that will be needed to roll out the Covid vaccine in an equitable manner, needs to be paralleled by equally-massive efforts to proactively build and protect trust

FRANCESCO ROCCA, president, Int'l Federation of Red Cross, on fake news relating to Covid-19 vaccine



NEWS IN CLUES

Which world leader wrote the book 'The Perils of Pushy Parents'?

CLUE 1: The 56-year-old was born in New York, US
CLUE 2: His original first name is 'Alexander'
CLUE 3: As mayor of London, he oversaw the 2012 Summer Olympics

ANSWER: BORIS JOHNSON. The UK PM has been invited as the chief guest for the Republic Day celebrations in 2021. According to reports, PM Narendra Modi formally invited Johnson during a telephonic conversation on November 27. The last British PM at the Republic Day parade was John Major in 1993.

FACTOID 235 MILLION

That's the number of people, who will need humanitarian assistance next year—nearly a 40 per cent increase in 2020, courtesy, Covid-19', according to the UN. The global health crisis has resulted in people reeling from conflict, levels of displacement and climate change shocks. According to the UN, while richer countries have invested large amounts in staving off economic disaster from the Covid-induced slump and could now see light at the end of the tunnel, the situation in relatively poor countries remains precarious. Climate change and rising global temperatures have further contributed to the bleak outlook for humanitarian needs in 2021

OSCARS 2021 will not be a virtual affair

There were a lot of speculations around how the Oscars would be held amid the Covid pandemic, and it is now confirmed **ENTERTAINMENT** the award gala will not go virtual. "The Oscars in-person telecast will happen," a representative from the Academy told variety.com.

- The 2021 Oscars will take place on April 25
- The shortlist for next year's Academy Awards will be unveiled on Feb 9, and the nominations will be announced on Mar 15
- The number of people to be allowed inside the Dolby Theatre, with a seating capacity of 3,400, has not been disclosed as of now



'RAMAYAN CRUISE SERVICE' ON SARYU RIVER IN AYODHYA SOON



In another push to tourism at the birth place of Lord Rama in Ayodhya, the Union government will launch a 'Ramayan Cruise Tour' on the Saryu river in the holy city soon. The cruise will be equipped with all the luxury comforts and facilities along with essential safety and security features at par with the global standards. The interiors of the cruise and the boarding point will be based on the theme of Ramcharitmanas. The fully air-conditioned 80-seater cruise will have large glass windows for experiencing the scenic beauty of the ghats. The cruise will be equipped with kitchen and pantry facilities for the comfort of the tourists. The entire tour will cover an approximate distance of 15-16 km. The tour will conclude with Saryu Aarti, in which every member will be able to participate.

2020 TAUGHT ME THE IMPORTANCE OF DOING NOTHING AT TIMES: SHILPA

Actress Shilpa Shetty says 2020 has taught her a lot, and most importantly made her realise the importance of doing nothing. "In 2020, I learnt that while it's important to be productively busy, it's equally important at times to do nothing," Shilpa wrote on her Instagram handle, along with an image of herself doing yoga.

CELEB TALK

SHILPA'S MANTRA

- "Sit in silence, feel the breeze, observe your surroundings, listen to the trees moving, and just focus on the mundane things that you'd miss noticing otherwise. Please yourself... and Just be yourself!"
- Choose "positivity, happiness, love, calm, belief. Refuse: negativity, hate, anger, drama, chaos, pleasing others"

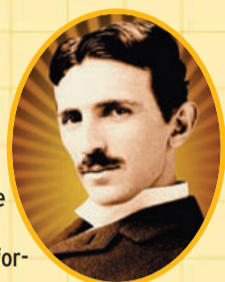


ALTERNATING CURRENT

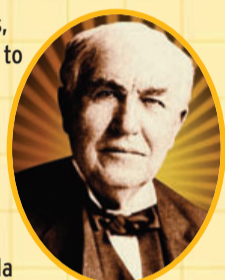
K Srinivasa Rao,
Physics Teacher, The Future
Kids School, Rajahmundry

WAR OF CURRENTS

The battle of alternating current (AC) and direct current (DC) between Nicole Tesla and Thomas Edison took place in the late 1890s. Nicole Tesla developed AC and Thomas Edison developed DC. The battle between these two great inventors to prove their inventions superior to the other was later termed as War of the Currents. Thomas Edison spread misinformation saying that alternating current was more dangerous, even going so far as to publicly electrocute stray animals using AC to prove his point. In order to counter attack the false propaganda made by Edison, Tesla decided to prove alternating current is safe and secure. Therefore, he designed Tesla Coil and made 1,00,000 volts of electricity to flow through his body. With that, people believed in Tesla inventions and started believing alternate current. With the growth of alternating current system, the Edison companies incurred huge losses and later he lost his shares in the Edison companies and was parted from them. He later came to regret that he had not listened to Tesla and used alternating current.



Nicole Tesla

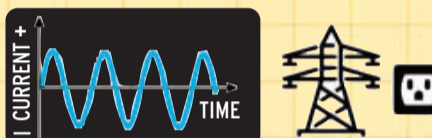
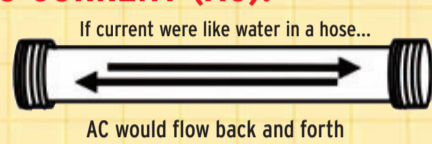


Thomas Edison

LET US UNDERSTAND AC AND DC IN A SIMPLER WAY:

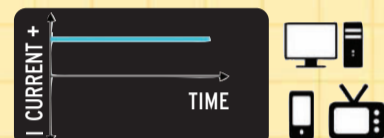
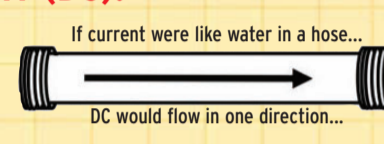
ALTERNATING CURRENT (AC):

It is a current that changes its magnitude and polarity at regular intervals of time. It can also be defined as an electrical current, which repeatedly changes or reverses its direction. In simple words it starts, say, from zero, grows to a maximum, decreases to zero, reverses, reaches a maximum in the opposite direction, returns again to the original value, and repeats this cycle indefinitely.



DIRECT CURRENT (DC):

It is a current that flows only in one direction and the direction of flow of current remains constant. Batteries provide DC, which is generated from a chemical reaction inside the battery.



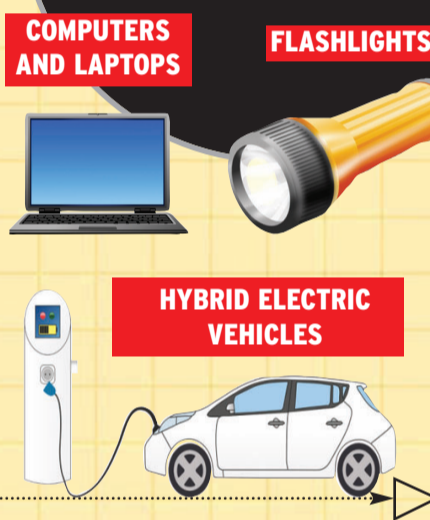
REAL LIFE APPLICATIONS OF AC:

AC powers almost every household in the world and it is the more popular current when it comes to operate devices like electric motors, refrigerators, mixers, grinders, toasters etc.



REAL LIFE APPLICATIONS OF DC:

DC is popular in applications that contain batteries or a USB cable to charge. Computers, LEDs, flashlights, cell phones, solar cells and electric vehicles all run on DC power.



ADVANTAGES OF AC OVER DC:

- AC is less expensive and easy to generate than DC.
- The distance covered by AC is more than that of the DC.
- The power loss during transmission in AC is less when compared to DC.

DIFFERENCES BETWEEN AC AND DC:

ALTERNATING CURRENT	DIRECT CURRENT
AC is safe to transfer longer distance even between two cities, and maintains electric power.	DC cannot travel for a very long distance. It loses electric power.
The rotating magnets cause the change in the direction of electric flow.	The steady magnetism makes DC flow in a single direction.
In AC, the flow of current changes its direction backwards periodically.	It flows in a single direction steadily.
Electrons in AC keep changing its directions - backward and forward.	Electrons only move in one direction - that is, forward.

QUIZ

THE MYSTERY OF CHEMISTRY!!

Sanghamitra Basu Sengupta, teacher, Avishkar Academy, Bengaluru

Q1 What chemical does an onion produce on being cut, that makes us cry?

- Picric acid
- Sulphuric acid
- S-propanethial -S-oxide
- Ethyl mercaptan

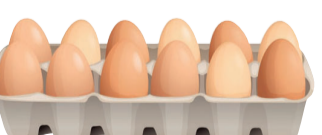


Q2 Who won the Nobel Prize in Chemistry twice?

- Madame Curie
- Linus Pauling
- Roald Hoffman
- Frederick Sanger

Q3 Which chemical was used to preserve eggs in olden days?

- Sodium oxide
- Sodium hypochlorite
- Sodium ethoxide
- Sodium silicate



Q4 Which is the rarest naturally occurring element in the Earth's crust, which has one of its isotopes with a half life of 8.1hrs.

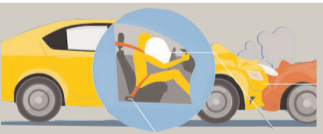
- Astatine
- Uranium
- Lanthanum
- Osmium

Q5 Radha wishes to work in the National Chemical Laboratory. Which city should she be ready to move to?

- Kolkata
- Kanpur
- Chennai
- Pune

Q6 Which of these chemicals is seen as a red spray from the helicopters, is used to put off commonly occurring wild fires in most countries like the US?

- Mercuric iodide
- Ammonium Phosphate
- Mercuric oxide
- Red lead



Q7 Sodium azide is a chemical used commonly in air bags in cars, to provide protection during accidents. Name the gas that is released to inflate the air bags by undergoing a reaction on collision.

- Neon
- Argon
- Oxygen
- Nitrogen

Q8 Which chemist born in India won the Nobel Prize in Chemistry for studies of the structure and function of the ribosome?

- Subramanyan Chandrashekar
- Abhijit Banerjee
- Venki Ramakrishnan
- Har Gobind Khurana



Q9 The planet Mars referred to as the 'Red Planet' appears red due to the effect of which compound?

- Mercuric oxide
- Tri lead tetra oxide
- Iron oxide
- Silicon dioxide

Q10 Which chemical compound is commonly used in the indelible ink applied to the index finger during elections?

- Silver nitrate
- Iodine
- Copper oxide
- Mercuric iodide



ANSWERS

- c) S-propanethial-S-oxide
- d) Frederick Sanger
- d) Sodium silicate
- a) Astatine
- d) Pune
- b) Ammonium phosphate
- d) Nitrogen
- c) Venki Ramakrishnan
- c) Iron oxide
- a) Silver nitrate

MY SCHOOL PROJECT AGRIBOT

WHAT IS IT?

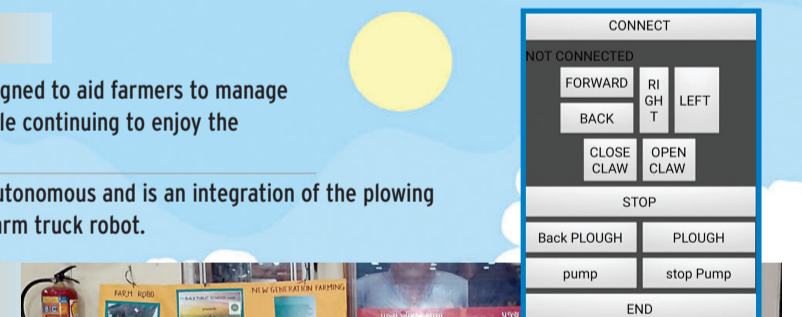
- It is an agricultural bot that is designed to aid farmers to manage their farms in villages efficiently, while continuing to enjoy the benefits of migrating to cities.
- This farming robot is completely autonomous and is an integration of the plowing robot, the pumping system and the farm truck robot.

SALIENT FEATURES:

- The robot has been created using Arduino, it is Bluetooth enabled and can be controlled by an e-farming app named 'Agribot' which has been developed especially by our team.
- Due to its unmanned nature, it can help in utilizing the 12% uncultivated land where human settlements are not possible.
- Our robot aims to productively contribute in the 'Pradhan Mantri Krishi Sinchai Yojna'.
- It helps in reducing suicide rate in farmers, whose major cause is high levels of debt, due to the reliance on traditional and extremely laborious farming methods.

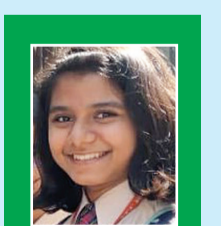
MORE FACTS:

- There is about 6% of uncultivated land in India that can be converted into tillable land, which is a whopping 96,00,000 hectares!
- We bagged second prize for this robot in the 'make your own robot' competition organized by Lion's Club, Thane.



CONSTRUCTION OF THE AGRIBOT:

- The Agribot is a trio of three robots. The plowing robot consists of 2 motors programmed in such a way that after one forward and backward moment, it stops automatically.
- The irrigation robot draws water from the well on the farm. A pump is immersed into the well which is further connected to a pipe.
- The farm truck robot has two arms that can pick up the waste products, or help in the transport of substances from one place on the farm to another.
- The truck has a specially designed track that ensures its smooth functioning without clashing with any other equipment.



Sanisa Parag Patrikar,
class IX-H,
DAV Public School,
Thane



Handy Parenting Guide

4 words you should never say in front of children

Raising kids, regardless of their age, is a very sensitive job, which requires constant efforts to prepare them for the real world. Parents have to instill the right values, set good examples, encourage them to adopt good language or even something as simple as using the right words as they can have a lasting impact, especially as kids are at an impressionable age. That is why it is often said that one should be deeply mindful and cautious of what you say or blurt out in front of children.

STUPID

1 There is a valid reason why you should stop referring to your children using negative words. Whether in a fit of rage or just to mock them, any kind of name-calling is bad. Remember, you should be talking directly to your children and not brand them with negative names and terms.

SPOILED

2 At no time should you be speaking or be involved in a conversation in negative tones. One of the words you should refrain from using is 'spoiled'. They may not understand the meaning in totality and may feel hurt. Using such words can hurt their self-esteem and make it difficult for them to open up without inhibitions.



Photo: GETTY IMAGES



SMART

3 While it is good to appreciate your child's intellect and praise their IQ, scientists believe that calling them 'smart' takes away from their actual hard work. And forces them to



believe they are born with a different form of intelligence and in turn, feel different from others.

PRINCESS/HERO

4 According to psychologists, gender stereotyping should not be encouraged at all and using words like 'princess' or 'hero' can cage them into boxes even before they have had a chance to explore identity or gender fluidity for themselves. If your children take on the name themselves after watching a film or reading about an inspiring character, then it is okay. Otherwise, try and avoid stereotyping.

Practice the art of positive parenting

Kids might be young but they can grasp everything - the good or the bad. According to experts, what adults say or speak has a big role to play in developing a child's growing and expanding mind. While abusive and harsh words are a big no-no, there are also certain other words you should never be speaking in front of children. When you

moderate your speech, you are not just practicing self-censorship but also going a step further in practicing positive, effective parenting.

Remember, the names you are not comfortable about your kid calling another kid, you should not be saying them to your children either.

NOTEWORTHY SCIENCE FICTION AND FANTASY BOOKS OF 2020

Science fiction and fantasy are two literary genres that stir emotions of excitement and enthusiasm among their readers. The genres act as a passage through which one can enter the technologically advanced future worlds. To get your fill of this year's meatiest books, here are the best choices



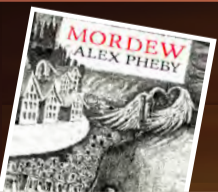
THE MINISTRY FOR THE FUTURE by Kim Stanley Robinson

The book uses fictional eyewitness accounts to tell the story of how climate change will affect us all. Its setting is not a deserted, post-apocalyptic world. Rather, it is a future that is almost upon us!



THE DARK ARCHIVE by Genevieve Cogman

The seventh book in the 'Invisible Library' series, the novel is about Irene, a librarian spy. Irene was hoping for a relaxing weekend, but her jaunt to Guernsey is a bumpy ride that involves retrieving a rare book and she is almost assassinated.



MORDEW by Alex Pheby

In the book, God lies defeated, his corpse hidden in the burial ground beneath Mordeu. The plot revolves around a young boy called Nathan Treeves, who lives with his parents. To find out more about Nathan's trials, get your own copy.



KING OF THE RISING by Kacen Callender

It is the follow-up to the writer's award-winning 'Queen of the Conquered' series. The books in the series revolve around a Caribbean-inspired fantasy world that portrays colonialism, resilience and defiance.



THE NEW WILDERNESS by Diane Cook

The book is best summed up in its prompt: "Somewhere between a science experiment and a refugee, Bea and Agnes learn how to live in an unpredictable, often dangerous land." The book is full of twists and turns.



Starting from today we give you a peek into what 2020 had in store for us across all fields! Watch this logo unit to follow our exclusive wrap up.

How to get your kids to eat healthy



Parenting is no easy job and there is no right or wrong way to do it. It is like sitting on a never-ending rollercoaster ride. There are days when you scold your kids for not finishing their homework and there are days when you have to reward your kids for going to school.

But we all have to agree that the most challenging task for parents is to indulge them in healthy eating and living.

Increased screen time is one of the biggest factors leading to overeating and unhealthy eating. All this has increased even more during the pandemic. The stay-at-home schedule has made everything from sleep cycles to eating habits off the rails. But it is important to inculcate healthy eating and living habits right from the start. Here are six ways you can do it.

1. Set an example

Kids copy what you do. If they will see you lying around, binge-watching your favourite show, always on phone and not maintaining your personal hygiene, they will also do the same. It's best to teach your kids by setting an example. Indulge in healthy eating habits and exercise. They can learn the importance of living a healthy lifestyle only from you.

3. Snack smartly and set a schedule

We all try and keep our meals healthy, but the snacking in between often gets very unhealthy. The worst thing we do is when we tell our kids, "Finish your homework and you will get a chocolate". Make sure you keep this to a minimum. Also, prepare some healthy yet tasty snacks at home. Make things like granola bars, sandwiches or wraps from leftover veggies. You can have a cheat meal once or twice a week when the family enjoys it together.

2. Take their help in cooking

When you cook, ask your kids to help you in handing over the ingredients, setting the table, serving and so on. It is likely that your kids will be happier eating the food they have helped prepare.

4. Hide and seek

Feed them healthy food in the guise of their favourite dish. For example, you can choose soy over

potato in burger patty to make it healthier, and add some crushed dry fruits and seeds in their milk along with their favourite vanilla or chocolate powder.

5. Balance is the key

Eating ice cream on a hot sunny day or bingeing on nachos on a movie night is okay. Getting too strict or paranoid can be problematic. Don't deprive your kids of these little joys. Let them enjoy their favourite snacks once in a while.

6. Be patient with new foods

When children are growing up, they are still figuring out their own patterns, appetite, likes, dislikes, etc. They may not like something in the beginning but may develop a taste later. So, have patience while experimenting with new foods. Give them time to develop a taste for it.



Q.1) Who has become the first IAF pilot to complete the wingsuit skydive jump?
A. Jainendra Kumar
B. Tarun Chaudhri
C. Ramesh Chandra Tomar
D. Mridula Garg

Q.2) Who was appointed as Ombudsman officer of the Indian Federation of

Sports Gaming recently?
A. Madan Lokur
B. Arjan Kumar Sikri
C. Jasti Chelameswar
D. Ashok Bhushan

Q.3) Which sport has been added for the first time to the Tokyo 2020 Olympics Games?
A. Table Tennis Mixed Doubles
B. Curling
C. Fencing
D. Powerlifting

Q.4) Which is the world's best city for students according to QS Best Student Cities Ranking?
A. Prague
B. Paris
C. New York
D. London

ANSWERS

1. B) Tarun Chaudhri 2. B) Arjan Kumar Sikri 3. A) Table Tennis Mixed Doubles 4. D) London

KNOWLEDGE BANK

Parachute flower

It belongs to the genus Ceropegia, native to Africa, southern Asia, and Australia. Carl Linnaeus first described this genus in volume 1 of his 'Species Plantarum', which appeared in 1753. Linnaeus thought the flowers looked like a fountain of wax, deriving the scientific name: 'keros' meaning wax and 'pege' meaning fountain. The ornamental plant is also called lantern flower, parasol flower, bushman's pipe or string of hearts.



FLORA

IND vs AUS ODI SERIES

5 TAKEAWAYS

The action between the two teams now moves to T20Is as they lock horns in three matches starting December 4. Now that the ODI series is over, here's a look at key highlights from the 50-over matches



Steve Smith has scored 676 runs at home against India at an average of 75.11

STEVE SMITH'S TWIN TONS

Steve Smith has a knack of scoring big against India and there was no change when he played three ODIs against the Men in Blue. The former Australia captain shrugged off his poor form and scored two centuries in three matches. Contrary to his style of play, Smith played an aggressive brand of cricket. In the opening ODI, he scored 105 off 66, striking at 159.09. Come the next ODI, he upped his strike-rate a bit and finished at 104 off 64. In both the ODIs, Australia breached the 370-run mark and Smith played a pivotal role in that. His white-ball form could be worrisome for the visitors and they will be in trouble if Smith continues his run in the red-ball cricket.

VIRAT KOHLI'S RECORD-BREAKING SPREE

Even though Kohli failed to score an ODI century in 2020, the Indian captain achieved major records during the series. In the second ODI, Kohli became only the ninth Indian player to don 250 ODI caps. During the same match, he also became the quickest batsman to score 22,000 international runs. During the third ODI, he broke Sachin Tendulkar's record and became the quickest batsman to score 12,000 ODI runs.

INDIA'S LACK OF BOWLING OPTIONS

The biggest highlight from the ODI series was Team India's lack of sixth bowling option. There was no one who could back regular bowlers when they were going for runs. Pandya, who was unfit to bowl, had to bowl four overs while Mayank Agarwal also rolled his arm for an over in the 2nd ODI. Now that it has been confirmed that Pandya won't resume bowling for the next few months, it's probably time to bring back either Vijay Shankar and Shivam Dube as an all-rounder.

HARDIK PANDYA'S MAGNIFICENT KNOCKS

Playing international cricket as a pure batsman for the first time in his career, Pandya responded well to the responsibility and scored 210 runs in the series at an average of 105.00. The right-handed batsman was eating up an all-rounder's spot but given his performances with the bat, the team management had no issues in playing only five bowlers. Pandya did bowl four overs in the second ODI but he has now confirmed that he won't be bowling anytime soon. Hence, the management has to formulate long term plans for him.

CONTRASTING OPENING PARTNERSHIPS

Indian and Australian openers had contrasting fortunes when it came to partnerships. David Warner and Aaron Finch kept the Indian fielders busy and added over 140 runs for the first wicket in the first two ODIs. The wicket was the same for India but in three ODIs, their openers couldn't replicate the Aussies. The Indian openers managed scores of 53, 58 and 26 in the three ODIs.

Not being an India regular does not bother me: Shardul Thakur

Medium pacer Shardul Thakur, who returned impressive figures of three for 51 in 10 overs to help India beat Australia by 13 runs in the third and final ODI, said not getting a consistent run of opportunities at the international level does not bother him. The 29-year-old, whose haul of wickets included Steve Smith, has played only 12 One-day Internationals since making his debut over three years back in August, 2017. Interestingly, despite performing well in the last ODI, the tour might be over for him as he is not part of the T20I squad. **MS**



Selection is not in my hand. If I get a chance to play for India, it is important that I try to help the team win. My mindset is that. When I play, I play to win.

The team was selected long back. Since I wasn't part of the T20I series, I wasn't thinking about it at all. But we are looking at this as a six-match limited-overs series. The momentum we carry from this is going to be huge going into the T20 series.

Shardul Thakur

Switch-hit is within laws, part of game's evolution



Glenn Maxwell

Stephanie Frappart becomes first woman to referee Champions League game



Stephanie Frappart became the first female referee to take charge of a Champions League match when she officiated at the Juventus-Dynamo Kyiv tie. The 36-year-old Frenchwoman had previously refereed two Europa League matches and has taken charge of 18 matches in La Liga since making her debut in the French top flight in April last year. She also refereed the Super Cup match between Liverpool and Chelsea last year and the women's World Cup final.

TEST YOUR KNOWLEDGE

Q1: In the 1996 World Cup final, only one bowler ended up picking multiple wickets. Who was it?

- a) Arjuna Ranatunga b) Upul Tharanga
c) Aravinda de Silva d) Hashan Tillakaratne

Q2: PV Sindhu also participates in the domestic Premier Badminton League. She is playing for which of the following teams?

- a) Bengaluru Blasters b) Hyderabad Hunters c) Awadhe Warriors
d) Chennai Superstarz

Q3: Name the American swimmer who won a surprise gold at the 2012 London Olympics at age 15, and subsequently won five golds at the 2015 Worlds?

- a) Sarah Sjöström b) Missy Franklin Johnson c) Simone Manuel
d) Katie Ledecky

Q4: She is the first Japanese tennis player to reach world No.1, win a grand slam and is the home favourite to win Gold at the postponed 2020 Tokyo Olympics. Who is she?

- a) Simona Halep b) Naomi Osaka
c) Karolina Pliskova d) Bianca Andreescu

Q5: At which Olympics did Sakshi Malik win a bronze medal in the 58 kg weight category?

- a) 2016 Rio Olympics b) 2012 London Olympics c) 2008 Beijing Olympics
d) 1996 Atlanta Olympics



Sakshi Malik

Q6: Which Indian boxer has won a medal at all eight AIBA World Boxing Championships since its inception in 2001 and made it to the 2012 London Olympics?

- a) Nikhat Zareen b) Mary Kom
c) Laishram Sarita Devi d) Simranjit Kaur

Q7: Which American skateboarder has won 4 Golds at the World Skateboarding Championship and 12 golds in street category at the X Games, since 2011?

- a) Chris Cole b) Ryan Sheckler
c) Nyjah Huston d) Paul Rodriguez

Q8: Which current Olympian's medal tally stands at two golds and a silver, making her the most decorated US alpine skier ever?

- a) Viktoria Rebensburg b) Tina Maze
c) Mikaela Shiffrin d) Lindsey Vonn

Q9: In which year did American snowboarder Chloe Kim first taste Olympic action at the Lillehammer Winter Youth Olympic Games?

- a) 2013 b) 2014 c) 2015 d) 2016

Q10: In which Olympics did Jesse Owens win golds in 100m, 200m, long jump and 4x100m relay, setting new records along the way?

- a) 1936 b) 1932 c) 1940 d) 1972

Q11: Who is the only male Japanese Tennis player to have won 12 ATP World Tour titles and is regularly ranked within the top 15?

- a) Yasutaka Uchiyama b) Kei Nishikori
c) Tatsuma Ito d) Yoshihito Nishioka

ANSWERS: 1- c) Aravinda de Silva 2 b) Hyderabad Hunters 3 d) Katie Ledecky 4 b) Naomi Osaka 5 a) 2016 Rio Olympics 6 b) Mary Kom 7 c) Nyjah Huston 8 c) Mikaela Shiffrin 9 d) 2016 10 a) 1936 Summer Olympics 11 b) Kei Nishikori