



# THE TIMES OF INDIA

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**TODAY'S  
EDITION**

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**STUDENT EDITION**

TUESDAY, JANUARY 12, 2021


**WEB EDITION**
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## 10 ways coronavirus has changed

### THE WORLD ECONOMY

The economic shocks like the coronavirus pandemic of 2020 come once in few generations, bringing about permanent and far-reaching changes. Here is an overview of some of the transformations...

#### LEVIATHAN

Big government (government that is excessively interventionist) staged a comeback, as authorities had to track where people went and who they met, and to pay their wages when employers couldn't manage it. These interventions, however, incurred budget deficits of \$11 trillion in 2020.

#### EVEN EASIER MONEY

The Central banks were plunged back into printing money. Interest rates hit record lows. History shows that the pandemics depress inter-

est rates for a long time. According to economists, the interest rates dipped 1.5% points than they otherwise would have been.

#### DEBTS AND ZOMBIES

Governments worldwide offered credit as a lifeline, and businesses grabbed it. One result was a surge in the corporate debt levels. The Bank for International Settlements calculates that non-financial companies borrowed a net \$3.36 trillion in the first half of 2020.



#### THE GREAT DIVIDES

The World Bank warns that the pandemic is spawning a new generation of poverty and debt turmoil.

#### K-SHAPED

As economies locked down, the upshot has been labelled a 'K-shaped recovery.' The virus has widened the income or wealth gaps across fault lines of class, race and gender.

#### RISE OF THE ROBOTS

Covid-19 triggered new concerns about the physical contact in the industries where social distancing is tough, like retail, hospitality or warehousing. This led to the rise of the robots. Companies replaced the humans with robots.



#### YOU'RE ON MUTE

Work-from-home has mostly passed the technology test. It's a boon for companies like the videoconferencing platform. However, it's a worry for businesses catering to the old infrastructure of office life— from commercial real estate to food and transportation.



#### NOT GOING ANYWHERE?

Global tourism fell 72% in 2020 through October. McKinsey reckons that a quarter of business trips could disappear forever as meetings move online.



#### A DIFFERENT GLOBALISATION

When Chinese factories shut down early in the pandemic, it sent shock waves through the supply chains everywhere and made businesses and governments reconsider their reliance on China.



#### GOING GREEN

When 2020 saw planes grounded and people staying home, even oil majors like BP felt a real threat from the world, getting serious about climate— Governments from California to the UK announced plans to ban the sale of new gasoline and diesel cars by 2035



You share your **BIRTHDAY** with

**SWAMI VIVEKANANDA**

**JANUARY 12**



- A true luminary, Swami Vivekananda was credited with enlightening the western world about Hinduism
- He pushed for national integration in colonial India
- In 1984, the government of India declared his birthday as the **NATIONAL YOUTH DAY**
- The main objective is to promote rational thinking among the youth, believed to be the future of the country

PM Narendra Modi will address the valedictory function of the second National Youth Parliament Festival via video conferencing today. The festival's objective is to hear the voice of the youth aged between 18 and 25 years, the future of India

### VIEWPOINT

#### WHY NOT BHARAT RATNA FOR DHYAN CHAND, ASKS FORMER HOCKEY CAPTAIN GOVINDA



Hockey wizard Dhyan Chand was a "great man, great human being and a great player" and it is a surprise that he has not yet been conferred with the Bharat Ratna, India's highest civilian honour, says former India hockey captain BP Govinda. "Being a hockey wizard and someone who is well known around the world, why not? People have compared Dhyan Chand to what Pele was to football. Why shouldn't he get it?" he questioned.

- There has been a steady demand from various quarters on conferring Dhyan Chand the highest civilian award since a long time. Born on August 29, 1905, Dhyan Chand was arguably the face of sports in pre-Independent India, and for many years after 1947 as well. He led the Indian team to back-to-back gold medals at the 1928, 1932, and 1936 Olympics
- In 1956, the government conferred on him the Padma Bhushan— he was never presented the Arjuna award though— and released a postage stamp in his memory on December 3, 1980, a year after he died

Cricketer Sachin Tendulkar is the only sportsperson to have been conferred with the Bharat Ratna, till date



**DID YOU KNOW?**

#### APPLE TO LAUNCH SMALLER, FASTER CHARGERS: REPORT

Representational pic



Mobile giant Apple is reportedly planning to bring smaller and lighter versions of its USB-C wall chargers. Navitas Semiconductor is expected to obtain orders for gallium nitride or GaN chargers for the same.

- GaN chargers use gallium nitride technology, and are more heat-efficient, allowing faster-charging speeds, despite the charger itself being quite smaller
- Ireland-based Navitas Semiconductor, US-based Power Integrations and China-based Innoscience are the global top three suppliers of fast-charging solutions based on GaN-on-Si chips

#### New state of matter 'liquid glass'

Scientists have uncovered a new state of matter, the liquid glass, with previously-unknown structural elements. The surprise discovery comes 20 years after the existence of the 'liquid glass' was first predicted, and reveals new insights into the mysterious glass transition.

#### DISCOVERED

1 According to scientists, this new state seems to exist between a solid and a colloid (such as a gel) homogeneous mixtures with particles that are microscopic but still bigger than the atoms and molecules and easier to study

2 When materials transform from liquids into solids, their molecules usually line up to form a crystalline pattern, which is not the case with glass, which is why scientists are so keen to analyse and deconstruct it— with glass (and glass-like materials), the molecules are locked or frozen in a disordered state

3 In the liquid glass, the scientists noticed that the colloids were able to move, but couldn't rotate — they had more flexibility than the molecules in glass, but not enough to make them comparable to



regular materials that have already been extensively studied

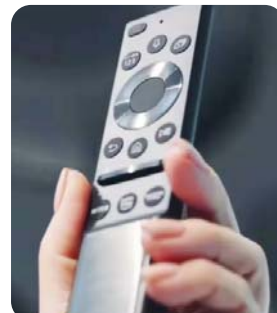
4 The findings have the potential to go way beyond the glass as well, shedding light on everything— from the smallest biological cell to the biggest cosmological system — any scenario, where there is unexplained disorder



## A solar-powered remote for your TV!

As part of its 'Going Green' scheme, tech giant Samsung has created a new solar-powered TV remote, which can also be charged by indoor lighting, removing the need for replaceable batteries...

- Called the Solar Cell Remote Control, the new TV remote contains a small solar panel, and can be charged using both indoor and outdoor light, as well as being plugged in
- Samsung says it estimates that the remote will help prevent waste from around 99 million batteries in the next seven years



- The remote, made of recycled-plastic bottles, is part of the company's eco-packaging scheme, which reduces text and images on the packaging in order to reduce the amount of oil-based ink used in printing
- In a more unusual step, the packaging is also covered in a pattern of microdots, aimed to help the buyers reuse, customise and repurpose the packaging

#### FOR A CAUSE

- The South Korean firm has also pledged to reduce the carbon footprint of its TV business over the next few years, as well as seek to reduce power consumption in its products and use more recycled materials
- Several tech giants have begun taking a range of steps to improve their green credentials. Last year,



Apple stopped including charging plugs in the box for new iPhone models, in an effort to reduce the weight and the amount of packaging required for each device

**Q** Should Dhyan Chand be conferred with the Bharat Ratna or is it too late? **SHARE YOUR VIEWS AT TOINIE175@GMAIL.COM. YOU CAN POST YOUR COMMENTS AT TOISTUDENT.COM**



**F**undamental Science Physics is an essential part of most technological and scientific educational curriculum. Amongst the many tools that can be used for making knowledge of Physics and its learning fun, the most attractive is that of Hands-on Physics Experiments (HPEs), which helps in the understanding of many natural and technical processes via direct observation and experience. A study published by Prof. Sain Beilock in Psychological Science showed that students who took a hands-on approach to learning had activation in sensory and motor-related parts of the brain. Activation of these brain areas was associated with better quiz performance by physics students who participated in the research.

An HPE involves any material, object, instrument or experimental setup used for learning a properly contextualized concept, principle, law or application. They contribute to the student's use of basic concepts and experimental skills to construct something new and so give the pupil a chance to integrate theoretical and practical contents naturally.

Some Hands-on Physics Experiments are given below with an effort to allow students to become part of the learning process so that physics as a subject becomes interesting, exciting and easy to understand.

### EXPERIMENT 1 BEND WATER WITH ELECTRICITY

**T**his experiment is so simple you can do it at any time. Turn on the tap so that you get only a very thin stream of water flowing. Now comb your hair 10 times and then bring the comb close to the flowing water, without actually touching the water.

#### OBSERVATION:

If all goes well, the stream of water should bend towards the comb.

#### EXPLANATION:

While brushing hair, electrons are collected on the comb. These electrons have a negative charge. When you bring the negatively charged comb near the stream of flowing water, it is attracted to it. You can try another experiment with your comb. Tear up pieces of tissue paper into tiny bits. Then charge your comb again by brushing it through your hair and bring it close to the tiny pieces of tissue paper. They will jump off the table to the comb the same way that the water was pulled to the comb. It is all thanks to the wonders of static electricity.



### EXPERIMENT 5

#### FUN WITH ICE CUBES

**A** Squeeze a few ice cubes together in a towel and hold them for a minute.

#### OBSERVATION:

When you stop pressing, the cubes are frozen together.

#### EXPLANATION:

The pressure causes the ice to melt by lowering its melting point. When the pressure is withdrawn the molten water re-solidifies and joins the cubes together.

**B** Take two heavy stones and a thin metal wire. Tie the stones at the two ends of the wire. Hang the wire along with the stones over a larger block of ice.

#### OBSERVATION:

The wire passes through the ice without breaking it, leaving a solid cube.

#### EXPLANATION:

The line of ice directly under the wire melts because the pressure lowers the melting point. The wire sinks into this water. The water above the wire freezes again due to decrease of pressure. Therefore the wire passes through.



### EXPERIMENT 6

#### BAR MAGNET'S MAGNETIC FIELD LINES

**T**ake some iron filings and spread them over a small region on a sheet of white paper. Put a bar magnet below the sheet of paper and tap the paper gently.

#### OBSERVATION:

Iron filings form a definite pattern.

#### EXPLANATION:

When the magnet is placed below the sheet of paper, it attracts the iron filings. The pattern of the iron filings shows the lines of force that make up the magnetic field of the magnet. The concentration of iron filings near the poles indicates that these areas exert the strongest force.

### EXPERIMENT 2

#### FLOAT EGG IN WATER

**P**lace an egg in a glass of fresh water. Notice what happens. Add salt to the water, stir gently, and observe what happens.

#### OBSERVATION:

In the fresh water, the egg sinks. As you add salt, it floats.

#### EXPLANATION:

A denser liquid exerts a greater up-thrust or buoyant force. Salt makes water denser. Now you understand easily why a ship rides higher in ocean water than in river water. You understand why it's easier to swim in the ocean than in a lake or pond.



### EXPERIMENT 3

#### BOTTLE SUBMARINE

**T**ake a soft drink bottle and fill it with water up to the brim. Collect a plastic dropper and wrap a few turns of a metal wire to make it heavy at one end. Fill up the dropper with water up to its neck and insert it into the bottle. If the plastic dropper floats on top of the water, add more water to it; on the other hand if it sinks, pour out a little so that the dropper just barely floats. Close the cap of the cold drink bottle tightly. Hold the palm of your hand over the bottle and press it firmly; then release your hand.

#### OBSERVATION:

The plastic dropper dives down. When you remove your hand, the dropper floats again.

#### EXPLANATION:

When you press with your hand, you force the air inside the plastic dropper to compress - to occupy less space. This leaves room for more water. When the added water enters the dropper, it becomes heavier than the water which it displaces and sinks.



### EXPERIMENT 4

#### FLOATATION OF NEEDLE ON WATER

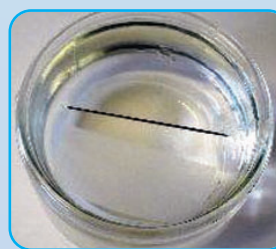
**U**sing a tissue paper as a carrier, place a needle on the surface of water in a glass tumbler. With the help of a fork gently press the tissue paper so that it sinks into water.

#### OBSERVATION:

The needle will float.

#### EXPLANATION:

The needle is heavier than the amount of water it displaces and should be expected to sink. It, however, floats because of an invisible elastic skin of



water. When water comes in contact with air, the molecules on the surface of the water huddle closer together and form a thin film or skin over the surface. If you gently pour a drop of soap solution in a glass tumbler with the floating needle, the needle sinks immediately. The soap

solution reduces the surface tension of water. By lowering surface tension, soap makes water able to wet the surface of the needle.



Binay Biswas, Physics teacher, Birla High School, Kolkata

### EXPERIMENT 7

#### TO SHOW THE PRESENCE OF ATMOSPHERIC PRESSURE

**T**ake a glass tumbler, water and a card. Fill up the glass tumbler completely with water and cover it with the card. Putting your hand on the card, turn the glass upside down and then slowly remove your hand.

#### OBSERVATION:

Water does not fall down.

#### EXPLANATION:

When you turn the glass upside down, the pressure of the air outside the glass is greater than pressure of water inside the glass. Therefore the card experiences an upward push. For this reason water does not fall the card stays in place.



### EXPERIMENT 8

#### AIR CONTAINS NITROGEN AND OXYGEN IN RATIO 4:1 BY VOLUME

**T**ake a flat container and fix a candle at its center. Put some quantity of water in the container. Place an empty, dry glass tumbler over it. Mark five marks above the water surface on the glass tumbler at equal distances. The candle is lightened and is covered with the glass tumbler.

#### OBSERVATION:

After some time the candle is extinguished and the water level is raised in the glass tumbler up to first mark.

#### EXPLANATION:

The air in Earth's atmosphere is made up of approximately 80 per cent nitrogen and 20 per cent oxygen. The raised level in water is 1/5 of the volume of air in the glass tumbler. This proves that one part of the air of the glass tumbler is a gas which supports combustion, i.e., oxygen. Hence, 1/5 by volume is oxygen in air.



## PREP UP TO FRAME ANSWERS SMARTLY

**M**y advice to students who will be appearing for their board exams is that they should not bank on last minute study plans. From what we can gather from the sample papers released by CBSE, the English paper could be quite tough and students would be required to use their critical thinking skills to comprehend questions and frame answers. Whether exams would be offline or online, students must keep the following points in mind:



**1** First and foremost, reading the texts meticulously is a must. Read every story and make a mind map of the plot and the setting of the stories. According to the new pattern, extracts can be given from any part of the texts and questions will be based on the extracts. If you skip the reading part in your preparation, chances are you will get muddled with the plots and the characters.

**2** Analyse the characters of each story carefully. Do not mix them up. If your details are correct but the character is wrong, your answer is technically wrong. Also remember the names of the writers and poets.

**3** Remember the dialogues attributed to different characters and relate them to the situations in which those dialogues were spoken. Ask someone to quiz you on who said what, to whom and why.

**4** For the advanced writing questions, regular practice on questions from sample papers is im-

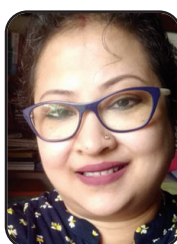
portant. Read up on current affairs to make your writing authentic and matured.

**5** Practice all formats regularly. Remember you stand to lose marks for messed up formats.

**6** Spare some time to read newspapers, blogs, articles on relevant topics. Keep yourself updated. CBSE often gives topics from current affairs, and projects floated by the government. Be prepared with solutions to socio-economic-environmental issues. Think like a responsible citizen. Always give positive ideas. Your attitude will reflect in your writings and that can impress the examiners.

**7** Finally, write neatly. Your neat presentation can win the hearts of the examiners and you might get some extra marks too.  
*Best wishes for a fantastic performance!*

Lovely Dutta Prusty, Vice-Principal, DPS Whitefield, Bengaluru



### MY SCHOOL PROJECT

### CRISPR-CAS9

## Marvels of genetic engineering

#### WHAT IS IT?

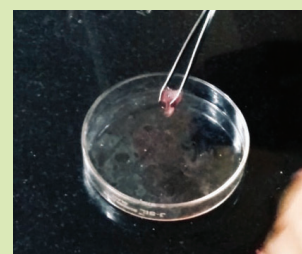
- The code of life; Deoxyribonucleic Acid (DNA) is a complex molecule that guides growth, development, function and reproduction of every living thing.
- Information is encoded in the structure of molecule.
- Genetic Engineering involves editing the DNA to change the traits of organisms.
- CRISPR is a powerful tool to edit genomes. The protein CAS9 is capable of cutting the DNA.

#### SALIENT FEATURES

- There are many genetically modified organisms used today in the food industry, especially meat sector.
- Genetic engineering is also widely used in the medicine industry to produce insulin for diabetic patients.
- Genetic engineering at research stages involves replacing the faulty gene of an embryo which might be carrying a genetic disorder.
- Genetic engineers today believe that it is possible to edit the genome of humans to alter certain traits.
- CRISPR-CAS9 can help defeat cancer by editing immune cells and making them better cancer hunters.

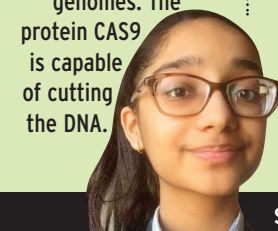
#### HOW WE WENT ABOUT WITH IT

- We used PPTs and graphic videos to explain the basic concept of genetic engineering, its procedure and how it is done today.
- To show the structure of DNA and the placement of nucleotides, we created a 3D model of the double helix that showed the hydrogen bonds between Adenine, Guanine, Thymine and Cytosine.
- We also wanted to show the audience a snippet of an actual DNA strand so we conducted an experiment deriving the DNA from strawberries.



#### MORE FACTS

- December 10, 2018: A scientist in China successfully altered the faulty genes of twin babies during the procedure of IVF.
- CRISPR CAS9 tech is a defense system used to make bacteria fight against viruses.



Sonakshi Sood, class XI, NES International School, Mulund (W), Mumbai



Photo: GETTY IMAGES

# 8 WAYS TO

# OVERCOME SHYNESS

Here are 10 ways to overcome shyness and be more confident:



My first language was shy. It's only by having been thrust into the limelight that I have learned to cope with my shyness.

AL PACINO actor



## Overcome Shyness Tip #1: WORK ON DEEPER FEARS.

Take shyness as a symptom for the need to address your deeper fears. Is your shyness a case of poor self-esteem, related to childhood conditioning, excessive worrying and so on? If you need help and assistance with overcoming shyness once and for all, consider doing some emotional release work.

## Overcome Shyness Tip #2: APPRECIATE YOUR INDIVIDUALITY.

In case you haven't noticed, everyone is unique and different. Instead of feeling self-conscious, embrace who you are – unconditionally. When you learn to embrace your uniqueness, you will have more confidence.

Remember this quote - "The significant business of your life is alive and well, awaiting discovery, within your very soul. You and I were born to come into ourselves as complete and distinctive persons. Accepting this, we build a valuable life." – Marsha Sinetar

## Overcome Shyness Tip #3: TAKE DEEP BREATHS.

When you are in situations where you feel shyness trying to take over, it can be helpful to take deep breaths. This will help you to clear your mind, give you some time to gain composure and avoid an anxiety attack.

## Overcome Shyness Tip #4: GO ON NEW ADVENTURES.

When most people think about stepping out of their comfort zones, they usually run the other way. Being bold is an important step in overcoming feelings of shyness. The next time you are presented with a social opportunity that is not your usual scene, go out on a limb and give it a try. Need more tips on getting out of your comfort zone?



## Overcome Shyness Tip #5: STOP SAYING YOU ARE SHY.

Have ever noticed that the more you say you're shy, the more your shyness increases? Instead of constantly talking about how shy you are, try reframing your mind with positive affirmations. Affirm statements such as "I am confident", "I speak clearly and with ease" and "I can articulate beautifully, eloquently and freely".

## Overcome Shyness Tip #6: RELEASE THE PAST.

Have you ever been rejected by someone that you admire? And so you have found

it difficult to bounce back from the hurt. Don't allow past hurts to rule your future. Everyone can't be friends with everyone, so instead of allowing hurt to hold you back, find new friends who will appreciate you for who you are.

## Overcome Shyness Tip #7: LEARN TO SPEAK UP.

Do you talk so quietly that people are always asking you to talk louder? It is okay to speak and be heard, so try to get into the habit of talking louder. Feeling afraid? Practice in front of the mirror. Visualise your voice as a dial that you can turn for managing the level of your volume. Get someone you feel comfortable with to provide you with feedback about your audibility.

## Overcome Shyness Tip #8: MEET NEW PEOPLE REGULARLY.

A great way to overcome shyness is to make it a point to meet someone new every week. When you are constantly focused on making new friends, you will forget all about your shyness. Try overcoming your shyness by volunteering to organise social outings for senior citizens every week. Maybe start an online video outing to start with and generally progress to meetings in reality.

# The trendiest workout of 2020

The year 2020 has been difficult for all of us. Due to the lockdown imposed in the wake of coronavirus pandemic, we have spent almost the entire year indoors. With offices and gyms shutting down, our levels of physical activity also decreased drastically. One of the greatest lessons that we learned during this testing time was that to stay fit we do not need to go to the gym or step outdoors. A report

## YOGA

1 The pandemic took a major toll on our physical as well as mental well-being. Staying indoors, limiting contact from the outer world and constant fear of contagion caused stress and anxiety. This forced most of the people to add yoga in their daily routine. The ancient Indian form of physical activity helped to calm the mind and flex the muscles. A lot of people opted for yoga during the pandemic to sail through a hard time.

## ZUMBA

2 Zumba is another form of cardio exercises that people followed in 2020. This workout routine does not have any set rules. It is more of a fun activity that helped people a lot to get relief from stress and stay fit during the lockdown. There has been a surge in the online Zumba classes during the pandemic

## STATIONARY BIKE

3 Cycling both indoor and outdoor was a top pick of the year. This is the reason why the price of outdoor and stationary bikes skyrocketed in the mid of last year. Biking helped people get a good cardio session and burn some serious calories. Besides, it also helps to lift the mood and reduce stress.

## HIIT

4 For a good cardio session, most people opted for High-Intensity Interval training (HIIT). This workout routine has been around for quite some time, but during the lockdown, its popularity touched a new height. The primary reason being it gives the maximum result in minimum time. In just 10 minutes of workout, one can burn a considerable amount of calories by performing HIIT.

## BODYWEIGHT WORKOUT

5 Bodyweight workout has always been famous among people. It can be anywhere and one does not need any kind of equipment for it. Besides, it is effective and the results are visible if you are consistent. This is what made this workout routine more popular during the pandemic.

# WEAR CLOTHES THAT HEAL

This year, you can focus on your well-being by picking up clothes that heal you. Brands across the globe are coming up with concepts like sun-protective clothing, collagen-infused apparel and vitamin-infused collections. This trend of wellness clothing, a fad over the years in the West, is slowly getting a boost in India. A few brands have unveiled collections with 'no toxic irritants' and 'immunity boosters'... Here are a few 'wellness clothing'

## Sun-protective clothing

This is rated on Ultraviolet Protection Factor (UPF); a higher SPF number means better protection. Tsippora Shainhouse, MD, a US dermatologist, was quoted as saying that "sun-protection clothing carries a rating that indicates exactly how much UV can be blocked by the special fabric." Experts say these fabrics must be tight in structure and dark coloured.

## WEARABLE COLLAGEN

In 2018, US sportswear brand Buki unveiled a collection made of fabric that has protein collagen in its fibres. The clothes are also said to provide protection from the sun.



## Vitamin-infused clothing!

Some international brands have come up with the idea of 'wearable vitamin technology' textiles, which are made with fibre infused with pro-vitamin substances. One such brand is a Japanese company Fuji Spinning Co, which is working on a tee containing the equivalent of two lemons in its fibre, said a spokesperson.

## Ayurvedic apparel

Many are following Ayurveda to take a lead in wellness clothing. A Kerala brand - Niraamaya's handwoven 'ayurveda' are free and equipped with healing properties of neem, tulsi, turmeric, red sandal. The use of herbs imparts their goodness.





# GLORIOUS DRAW

Batting out 258 balls with a fierce home team throwing everything it had up its sleeve is no mean feat. But the Indian duo of Hanuma Vihari and R Ashwin stood their ground and managed to do just that as they eked out a draw in what was nothing short of an action-packed fifth day in the third Test between India and Australia at the Sydney Cricket Ground

## BRAVEHEARTS VIHARI, ASHWIN

■ Batting out 131 overs, the most India have batted in the fourth innings of a Test since 1980, showed exactly what Ashwin meant when he spoke about playing like true warriors at the end of the fourth day's play at the SCG.

■ A hamstring injury notwithstanding, Vihari hit an unbeaten 161-ball 23 while Ashwin hit 39 off 128 balls as the two defended away any hopes Australia had of registering a win. With an injured Ravindra Jadeja waiting in the pavilion, it was important for the two to ensure they saw India to the end and that is just what they did as the players shook hands with an over left.

■ But it all started in the morning when the team management

decided to send in Rishabh Pant at the fall of stand-in skipper Ajinkya Rahane's wicket. With the game clearly in Australia's court, Pant decided to show why the team has backed him despite his inconsistent run.

■ A fearless brand of cricket from him suddenly saw India walking into the lunch break with the score on 206/3. With 201 needed and Pant on a roll, it suddenly looked like India was playing to go 2-1 up in the series. Credit must also be given to Cheteshwar Pujara as he kept the board ticking and didn't get into a shell.

■ But Nathan Lyon sending Pant back on 97 suddenly saw the Indian fans fear another collapse. But the out-of-form Vihari wasn't letting anybody

down this time round.

■ He first combined for a short partnership with Pujara and then after the latter's dismissal for 77, combined with Ashwin to see India home. The scoresheet might call this a draw, but both teams know that India will walk away with their heads held high. Not just that, they will walk onto The Gabba high on confidence after this inspiring effort.

■ There was banter, there was humour and there were a few ugly gestures in-between, but it was all in the spirit and nothing that crossed the line in what was an adrenaline-filled final session of the third Test. While the Australian skipper Tim Paine tried to get into the skin of Ashwin, the Indian spinner was no less.

## THIS RESULT IS TOUGH TO SWALLOW: PAINE

Australia skipper Tim Paine on Monday said that the result was a tough one to swallow and not holding onto catches costed the side. "I thought we created enough chances to win the game, this one's a tough one to swallow. Our bowlers were superb, (Nathan) Lyon bowled well. Just that we didn't hold onto our catches. Looking forward to Brisbane. We didn't play our best in the last two games, but we were somewhat good with the bat in this Test. There were a few positives for us, our bowlers created plenty of chances," said Paine during the post-match presentation. "Today was a whole-hearted effort from the boys, just that things didn't go our way," he added. Paine did not have a good day behind the stumps as he ended up dropping three catches (two of Rishabh Pant and one of Hanuma Vihari). **ANI**



Photo: AP

## PLAN WAS TO FIGHT TILL THE END WITHOUT THINKING ABOUT THE RESULT: RAHANE

The talk going into day five was to fight till the end without thinking about the result, said India skipper Ajinkya Rahane. "Our talk coming this morning was to show character and fight till the end. Not to think about the result. Really happy with the way we fought especially today, but also throughout the game," Rahane said at the post-match presentation. "Even in the first innings when Australia were 200 for 2 and getting them all out for 338 was really good," he added. Pant came ahead of Hanuma Vihari at number five, a move that was made keeping the left-right combination in mind, said Rahane. "There are few areas we can improve (ahead of fourth Test) on but special mention to Vihari and Ashwin. The way they batted in the end and showed character was really good to see. Credit to him (Pant) for the way he played," said the skipper. **ANI**



Photo: AFP

## VIHARI'S KNOCK WAS EQUAL TO SCORING A HUNDRED: ASHWIN

Chasing 400 in Sydney was never going to be easy, as the ball was going up and down. That knock by Pant set us up. After Pujara and Pant's wicket and with Vihari injured, it was going to be difficult to go for the win. Touring Australia is never easy so Vihari can be proud of himself. It was a knock equal to scoring a hundred. I was just telling the batting coach during the lunch break that I have never left the SCG without a fifty, this is a venue where I have done well with the bat and today's innings is right up there.

The game will be definitely be remembered for a great show of character by an Indian team which has missed the services of regular skipper Virat Kohli and a bunch of seniors like Mohammad Shami, Ishant Sharma and Umesh Yadav in what is one of the toughest places to tour

Australia's seamers attacked Ashwin relentlessly with short-pitched deliveries aimed at the body

## NEVER BACKING DOWN FROM A CHALLENGE

Hats of to both @Hanumavihari and @ashwinravi99. To draw the test! A lot has to be said about vihari for his grit and determination even after being injured! This knock is as good as any hundred in test cricket! Ashwin always had the talent to be a main allrounder! #AUSvsIND K Srikanth, former India batsman

Tried all tricks including Steve Smith trying to remove Pant's batting

guard marks from the crease. Par kuch kaam na aaya. Khaaya peeya kuch nahi, glass toda barana. But I am so so proud of the effort of the Indian team today. Seena chonda ho gaya yaar.

Virender Sehwal, former India batsman

Really proud of #TeamIndia! Special mention to @RishabhPant17, @cheteshwar1, @ashwinravi99 and

@Hanumavihari for the roles they've played brilliantly. Any guesses in which dressing room the morale will be high?

Sachin Tendulkar, former India captain

Loved the fight and determination of India all day today. Starting with Pant and Pujara, and then for Vihari and Ashwin to withstand Australia and look largely in control for most

of the day was very impressive. Can't wait for Brisbane now. #AUSvsIND

Ricky Ponting, former Australia captain

Never giving up. Never backing down from a challenge. Great character and resilience displayed by the team. Mayank Agarwal, India batsman



Photo: GETTY IMAGES

## QUIZ TIME!

**Q1:** In which year did Andy Murray last win a Grand Slam title?

- a) 2010 ☐ b) 2012 ☐ c) 2014 ☐ d) 2016 ☐

**Q2:** Who is the first person to have won Olympic volleyball gold medals as a player and a coach?

- a) Lang Ping ☐ b) Zhang Changning ☐ c) Hui Ruoyi ☐ d) Ding Xia ☐

**Q3:** Which country holds the record of most consecutive wins in T20Is?

- a) India ☐ b) England ☐ c) Afghanistan ☐ d) Pakistan ☐

**Q4:** Who has been the longest-serving International Olympic Committee president?

- a) Thomas Bach ☐ b) Avery Brundage ☐ c) Demetrius Vikelas ☐ d) Baron Pierre de Coubertin ☐

**Q5:** The Wimbledon women's singles event was first introduced in 1884. Which players won the title?

- a) Lottie Dod ☐ b) Maud Watson ☐ c) Blanche Bingley ☐ d) Ellen Hansell ☐

**Q6:** Which footballer was the top scorer of 2020-21 German Bundesliga?

- a) Lars Stindl ☐ b) Robert Lewandowski ☐ c) Erling Haaland ☐ d) Wout Weghorst ☐

**Q7:** In which tournament did Serena Williams win her first Grand Slam title?

- a) US Open ☐ b) Wimbledon ☐ c) Australian Open ☐ d) French Open ☐



Photo: GETTY IMAGES

**Q8:** In the year 1877, which tennis player won the first Wimbledon Championship?

- a) William Renshaw ☐ b) John Hartley ☐ c) Spencer Gore ☐ d) Frank Hadow ☐

**Q9:** Which woman cricketer has made the most runs on debut in a ODI match?

- a) Reshma Gandhi ☐ b) Mithali Raj ☐ c) Nicole Bolton ☐ d) Lynne Thomas ☐

**Q10:** Which cricketer made the most runs in his debut T20I match?

- a) Ravinderpal Singh ☐ b) Leslie Dunbar ☐ c) Ricky Ponting ☐ d) JP Kotze ☐

**Q11:** Other than Virat Kohli, which Indian batsman has made most career fifties in T20 Internationals?

- a) Rohit Sharma ☐ b) KL Rahul ☐ c) Shikhar Dhawan ☐ d) Yuvraj Singh ☐

**Q12:** Which cricketer holds the record for longest Test career?

- a) Sachin Tendulkar ☐ b) Wilfred Rhodes ☐ c) Brian Close ☐ d) Frank Woolley ☐

**Q13:** Which of the following players won the 2020 Women's Australian Open?

- a) Simona Halep ☐ b) Iga Swiatek ☐ c) Sofia Kenin ☐ d) Naomi Osaka ☐

**ANSWERS:** 1 d) 2016 2 a) Lang Ping 3 c) Afghanistan 4 d) Baron Pierre de Coubertin 5 b) Maud Watson 6 b) Robert Lewandowski 7 a) US Open 8 c) Spencer Gore 9 d) Lynne Thomas 10 b) Leslie Dunbar 11 a) Rohit Sharma 12 b) Wilfred Rhodes 13 c) Sofia Kenin