



THE TIMES OF INDIA

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TODAY'S EDITION

Do you know how the idiom 'fly too close to the sun' became popular in our usage? Figure it out in Wizard's Corner
PAGE 2



Have you ever been 'fooled' by your friends on the April Fool's Day? A student shares her story
PAGE 3



Chelsea beat Spurs to reach the League Cup final
PAGE 4



STUDENT EDITION
FRIDAY, JANUARY 14, 2022

CLICK HERE: PAGE 1 AND 2

Spotlight

S SOMANATH New chief of ISRO



Rocket scientist S Somanath has been appointed as the new chairman of Indian Space Research Organisation (ISRO). He will replace K Sivan, who led the push to get private firms into India's space sector during his four-year term.

At the ISRO, Somanath has been associated with the Polar Satellite Launch Vehicle (PSLV) Project during its initial phase. Later he became the associate director, (projects) of the Vikram Sarabhai Space Centre (VSSC) and also the project director of the GSLV Mk-III launch vehicle in 2010

Meanwhile, qualification testing of cryogenic engine for Gaganyaan programme successful: ISRO
ISRO has successfully conducted the qualification test of cryogenic engine for the Gaganyaan programme for a duration of 720 seconds at the ISRO Propulsion Complex, Mahendragiri, Tamil Nadu. "This successful long-duration test is a major milestone for the Human Space Programme - Gaganyaan. It ensures the reliability and robustness of the cryogenic engine for induction into the human-rated launch vehicle for Gaganyaan", an ISRO statement said.



We are not averse to demilitarisation of Siachen glacier. But the pre-condition for that is acceptance of the Actual Ground Position Line (AGPL). Pakistan has to accept it
- Gen MM Naravane, Army chief

WHAT Located in the eastern Karakoram range in the Himalayas, the Siachen glacier, spread over a 76.4 km-area, is the longest glacier in the Karakoram and second-longest in the world's non-polar (occur in high mountain ranges) areas. It demarcates central Asia from the Indian subcontinent, and separates Pakistan from China in the region. It is also believed to be the world's highest battlefield.

WHY is Siachen important? The Saltoro Ridge of the Siachen glacier serves as a divide that prevents direct linking of PoK with China, stopping them from developing geographical military linkages in the area. Siachen also serves as a watchtower for India to keep a deep watch on Gilgit and Baltistan regions of Pakistan. If Pakistan gets the location advantage in Siachen, it would become a big threat to India from the west in Ladakh in addition to Chinese threats from Aksai Chin of the east. Siachen also helps India to keep a close watch on China's activities, as Beijing has vastly improved its infrastructure in this region.

HOW India gained control over it: In early 1981, Col Narinder Bull Kumar sounded the alarm over Pakistan's expeditions in the Siachen region. On April 13, 1984, India launched Operation Meghdoot to capture the 76.4 km-long glacier on the Saltoro ridge. Since then troops from both sides guard the region. Though the guns on the glacier have fallen silent, following the 2003 ceasefire along the Line of Control (LoC) and the Actual Ground Position Line (AGPL) across the Siachen, the LoC has flared up intermittently.

THE SIACHEN CONUNDRUM



DEMILITARISING SIACHEN

India has shown willingness for demilitarisation, albeit conditional on first authenticating the 110-km AGPL, which is the current position on the glacier. But Pakistan refuses, which means that once India vacates the posts, Pakistan may try to occupy them. India currently has the advantage of height, as it commands higher ground, and any demilitarisation without proper delineation and acceptance of the current positions would be disastrous. Retaking once-occupied peaks is near impossible

Soldiers have to trek for almost 28 days, covering a stretch of 128km to reach some of the farthest pickets on the glacier

WHY IS SIACHEN DIFFICULT TO DEFEND?
■ Apart from the twin military threats from Pakistan and China, the climate condition is the biggest challenge for the Armed Forces. The temperature in Siachen glacier, in winters drops to below -60 degrees.
■ There are also constant threats of avalanches, crevasses (a deep open crack) on the glacier, high-speed winds.



Soldiers stationed in the area are affected by a range of fatal altitude-related ailments like frost bites (a skin injury that occurs when exposed to extreme low temperatures), hypoxia (body is deprived of adequate oxygen supply), hypothermia (body loses heat faster than it can produce heat), and white outs (dense blizzard)

WHAT'S THE COST OF STAYING AT SIACHEN?

■ Both India and Pakistan have deployed around 5,000 troops (brigade strength). For India, costs of maintenance in the region is about ₹ 5 crore a day. India has spent over ₹ 7,500 crore for procurement of clothing and mountaineering equipment for soldiers (as of 2019) ■ In terms of human cost, as many 869 Indian soldiers have lost their lives in Siachen since 1984 due to climatic conditions, in comparison to around 2,000 Pak soldiers (as of 2019)

SAG Awards 2022: Olivia Colman & Nicole Kidman contend for best actress trophy



Jane Campion's Western film 'The Power of the Dog' and Ridley Scott's 'House of Gucci' led the film nominations for the 28th Annual Screen Actors Guild (SAG) Awards. The nominations, which were announced on Wednesday, saw Netflix's 'Squid Game' create history by becoming the first Korean series to receive a nod in the top television category.

■ Smith received a nomination in the best actor category, where he is pitted against Benedict Cumberbatch ■ Olivia Colman leads the best actress category for 'The Lost Daughter'. She faces a tough fight from Lady Gaga ('House Of Gucci') and Nicole Kidman ('Being The Ricardos')



Arundhati Bhattacharya turns author, shares she was once on the verge of quitting her career

Former State Bank of India (SBI) chairperson Arundhati Bhattacharya has turned author with her autobiography, 'Indomitable' — A Working Woman's Notes on Life, Work and Leadership. Published by HarperCollins, India, the book tracks the career of the 65-year-old banker, who broke the glass ceiling and stood out in a male-dominated industry. It shares a glimpse into how she got into the banking job and left her mark as an exceptional leader.

■ Bhattacharya, who grew up in the 'sleepy towns' of Bhilai and Bokaro, talks about how she had never imagined that she would chair the country's largest bank one day. The then 22-year-old had joined SBI in 1977, and became a Probationary Officer after clearing the entrance examination that was referred via a friend. She

describes the beginning of her glorious banking career, spanning four decades, as 'sheer chance' ■ The book also focuses on how Bhattacharya was on the verge of quitting her career to balance her personal aspirations, but instead tackled every challenge with humour and positivity

FACE MASKS HALVE DISTANCE OF AIRBORNE PATHOGENS' TRAVEL: STUDY

The effectiveness of face masks has been a hotly-debated topic since the emergence of Covid-19. However, a new study shows that masks could also help reduce social distancing. Researchers found that face masks reduce the distance airborne pathogens could travel, when speaking or coughing by more than half, compared to not wearing a mask. A cloth face covering reduced emissions in all directions to about two feet compared to the four feet of emissions produced when coughing or speaking with no mask on. The reduction was even greater when wearing a surgical mask, which reduced the distance coughing and speaking emissions travelled to only about half a foot.

■ The findings are important, as airborne viral pathogens, such as SARS-CoV-2, can be encapsulated and transmitted through liquid droplets and aerosols formed during human respiratory functions, such as speaking and coughing



■ Knowing ways to reduce this transmission distance can help keep people safe and aid in managing responses to pandemics, such as Covid-19, which has resulted in global-scale infection, health care system overloads, and economic damage ■ These responses could include relaxing some social distancing guidelines when masks are worn

Paw-some! A smart collar that can track your dog's heart rate and vital signs

If reports are to go by, GPS tracking company Invoxia is all set to develop an Apple-style smart collar for dogs that will be able to track its heart rate and other vital signs. Expected to cost at least \$99 (₹ 7,390 approx), the Smart Dog Collar is set to be released in the summer of 2022, and is a 'first-of-its-kind' connected collar for dogs...



■ The Invoxia team, based in Issy les Moulineaux, France, used radar sensors that use light to send signals into, and receive data back, from the skin of the dog ■ They worked with veterinary cardiologists to train AI that can gather data from the sensors and fill in any missing information blocked by fur

■ The movements of the skin under the collar are fed into the artificial intelligence algorithm, which then determines the heart and respiratory rate of the dog ■ Unlike smart watches on humans, which have to be fastened tight to work, collar has been designed to sit comfortably around the dog's

neck, according to Invoxia ■ It will track the daily activities of the dog, and identify when it is walking, running, scratching, eating, drinking and barking. It can also see when it is resting ■ To make it easy to clean, for when it is running around in the mud, it comes with a removable fabric cover. Source: Daily Mail

THE TIMES OF INDIA

LIFE SKILLS
A helpful 'pandemic survival guide 2.0' to deal with the ongoing third wave anxiety

HEALTH
Helpful hints on how to pick the right cooking oil
PLUS: Is your fitness routine stressing you out?

GOOD TO KNOW
Reclaim your time with the technique of timeboxing

TRIVIA TIME
Jan 15 is Indian Army Day. We tell you all about

STUDENT EDITION
SATURDAY, JANUARY 15, 2022

Your Weekender
It - why, how and the importance of celebrating it. Read for interesting facts about the Indian Army

FILMS, BOOKS
Celebrating the life and times of the legendary Sidney Poitier
PLUS: Books inspired by Captain Harpreet Chandi aka Polar Preet; A history of Golden Globes awards

SPORTS
Know all about sportspersons who have excelled in more than one sport

LEVEL-1



ANAGHA SASTIKAR
Art Educator
Bodakdev School For Children, Ahmedabad

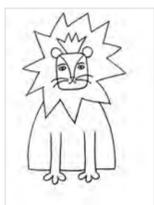
Draw the easy way



Step-1



Step-2



Step-3



Step-4



Step-5



Step-6



REDERNRUS

- a. Scenario b. Scene
- c. Surrender d. Supervision

2) ICABRRAB

- a. Around b. Winter
- c. Barbaric d. Barren

3) ESAEILR

- a. Realise b. Animal
- c. Sector d. Surety

4) ERTNRUC

- a. Develop b. District
- c. Decimal d. Current

Answers: 1) c, 2) c, 3) a, 4) d

Riding with the Riddle

These small birds are widespread in the Indian subcontinent across Bangladesh, Bhutan, India, Nepal, Pakistan and Sri Lanka. The have black-brown plumage and can be distinguished by a chestnut patch below the tail, that is usually held upwards. They are commonly found in open scrub areas and can be seen running along the ground or low shrubs and rocks. They are found close to human habitat.

Answer: Indian Robin

FESTIVE FERVOUR

SURYAKUMARI DENNISON, teacher, Avishkar Academy, Bengaluru

Quiz TIME



Choose correctly to complete each of these statements on festivals.

1 Not associated with Makar Sankranti is

- A) Sun B) Kite
- C) June D) Harvest

2 Commemorated on Eid-ul-Adha is

- A) Sadness B) Sacrifice
- C) Safety D) Satisfaction



3 Not among the spring festivals is

- A) Nowruz B) Holi
- C) Easter D) Paryushana

4 Gurpurab of Guru Gobind Singh honours the Sikh spiritual mentor who led

- A) First B) Third
- C) Fifth D) Tenth

5 Never in the month of August falls

- A) Rama Navami
- B) Raksha Bandhan
- C) Ganesh Chaturthi
- D) Krishna Janmashtami



6 Buddha Purnima is the birthday of Lord Buddha, earlier known as Prince

- A) Sadashiva B) Sadananda
- C) Siddhartha D) Siddeshwara

Answers: 1) C, June 2) B, Sacrifice 3) D, Paryushana 4) D, Tenth 5) A, Rama Navami 6) C, Siddhartha

LEVEL-2

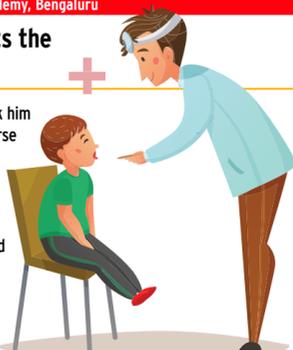
Idiom-etrics

SURYAKUMARI DENNISON, teacher, Avishkar Academy, Bengaluru

(Choose the idiom that best suits the situation)

Sohrab was feeling unwell. His parents took him to a clinic where he was prescribed a course of treatment. "I'll check on you in a few days," said the doctor, who was a friend of the family. "May I go out to play?" asked Sohrab when the doctor came round. "Certainly," said the doctor. "You have recovered completely and can resume your regular pastimes."

- A. Neck of the woods
- B. Babe in the woods
- C. Out of the woods



Hoping to get rich quickly, Harish rashly invested money in risky business ventures, eventually becoming bankrupt.

- A. Fly too close to the sun
- B. Have (one's) moment in the sun
- C. Make hay while the sun shines



According to Greek mythology, Daedalus and his son Icarus tried to escape imprisonment on an island. Daedalus fashioned wings with feathers of seabirds, attaching them to himself and to Icarus with wax. Ignoring advice, Icarus soared towards the sun, and the wax in his wings melted. Falling into the sea below, he drowned. 'To fly too close to the sun' is to be overambitious or act recklessly, with disastrous consequences.

TRIVIA

EDITOR IN THE MAKING



WEAVE A STORY WITH PICTURES

Observe these images below carefully, then weave a story around them in not more than 150 words and give it a title. Ensure, reference of all images is there in the story. Mail the story to us at toinie175@gmail.com. The interesting one will be published in the edition. Watch this space!!!

TELL TALE



Blank lines for writing a story.



And the winner is...

R.VARSHIKA
class VIII, Sboa Global School,
Chennai, Tamilnadu

LETTER OF HOPE

Radhika was a little girl born in a poor family. She studied in a government school somewhere in the moor. She walks five miles to reach her school. Then, she helps her mother in farming. In spite of such a demanding situation, she went to school regularly. She always had a dream to become an IAS.

Then came the corona lockdown. Though public schools were shut down, private schools were still conducting online classes. But what about public schools?? She kept roaming around, peeking into the windows of her private school friends. Months went by and schools did not open. Her family had spent all their money in hospital bills during recovery from corona. She started thinking about her future and her dreams. After deep thoughts, she wrote a letter to the government requesting to provide gadgets and start online classes for students like her. The government in return ensured to start classes immediately and appreciated her initiative.

MATH MAGIC

NUMBER SERIES

1 I am an odd number. Take away one letter and I become even. What number am I?
A) Seven B) Five C) Six D) Eight

Answer: B

2 Using only an addition, how do you add eight 8's and get the number 1000?

- A) 4000 B) 3000
- C) 2000 D) 1000

Answer: D

3 There are 49 dogs signed up for a dog show. There are 36 more small dogs than large dogs. How many small dogs have signed up to compete?

- A) 42.4 B) 42.5
- C) 42.6 D) 42.7

Answer: B

4 Sally is 54 years old and her mother is 80, how many years ago was Sally's mother times her age?

- A) 40 years B) 41 years
- C) 44 years D) 49 years

Answer: B

Learn a NEW LANGUAGE

GERMAN

- 1) Herren/Männer and Damen/Frauen
Meaning: Men and Women
- 2) Mir geht's gut
Meaning: I'm doing well
- 3) (Sehr) Gut Meaning: (Very) Good
- 4) Schlecht Meaning: Bad
- 5) Ich komme aus...(den USA/ Kanada/Australien/Großbritannien)
Meaning: I am from...[the USA/Canada/ Australia/UK]
- 6) Wie heißen Sie?
Meaning: What's your name?

Answers: 1) Mir geht's gut, 2) Lebensmittel Sehr Gut, 3) Ich komme aus Australien, 4) Wie heißen Sie?

Work sheet

Q:1 How will you say that you are doing well?

Q:2 How will you communicate that food is very good?

Q:3 How will you say, "you are from Australia?"

Q:4 How will you ask, "What's your name?"