



# THE TIMES OF INDIA

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STUDENT EDITION

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WEB EDITION

## TECHNOLOGY



## Five things TO KNOW

It promises a new era of technology, but super-fast 5G networking is one of the factors that has put Sino-US relations into a tailspin. Recently, in response to the US sanctions on Huawei, Britain too ordered the staged dismantling of the equipment made by the Chinese telecom giant from its 5G network. Here are five things to know about the next generation of telecommunications...

**1** It is the fifth-generation successor to 4G technology, which is a decade old, and struggling to keep pace with global broadband demand. The rollout of 5G promises radically quicker transfers of data, heralding major changes to an array of products and services—from self-driving cars to remote surgery. On the entertainment front, users will be able to download a high-definition movie in a few minutes, compared to an hour or two.

**2** It's not just about speed of downloads and uploads; 5G brings much lower "latency" than the 4G. In other words, the time lag between a command being sent by a user and a device acting on it will be reduced. It will help surgeons operating on patients from afar, using augmented reality glasses. Besides, the most visible gain from lower latency could be with the widespread advent of autonomous cars. But, these will need 5G networks to cover huge areas.

**3** The technology is already in wide use in South Korea and for fixed internet lines in some US cities. It is also available in parts of Europe and Asia.

**4** According to mobile communications industry body, GSMA, only one in five mobile connections, will be running on 5G networks by 2025, globally. South Korea's Samsung and China's Huawei has already offered 5G-enabled smartphones; Apple is yet to launch a compatible model with 5G technology.

**5** To bring the promised speeds to the masses, 5G requires a whole new infrastructure of masts, base stations and receivers. Among the networking companies in the race are: Huawei, Sweden's Ericsson, Nokia of Finland, Samsung and NEC of Japan. Mobile operators are expected to spend \$1.1 trillion worldwide by 2025 in investment, 80 per cent of which will be on 5G networks, according to the GSMA.

**Why have some governments banned the Huawei equipment?** US intelligence agencies allege that Huawei has links with the Chinese government, and that its equipment could contain "backdoors" for use by government spies. However, no evidence has been produced publicly, and the firm has repeatedly denied the claims.

## THE CHALLENGES

According to experts, the forecasts highlight the huge challenges to the economic growth of a shrinking workforce, the high burden on health and social support.

## India's population may peak to 1.6 billion in 2048

Scientists have predicted that India's population may peak to about 1.6 billion in 2048, and decline by 32 per cent to around 1.09 billion in 2100, when it is also expected to be the world's most populous country.

■ According to researchers, there may be dramatic declines in working age-populations in countries, such as India and China, which may hamper economic growth and lead to shifts in global powers.

■ According to the study, the number of working-age adults in India is projected to fall from 762 million in 2017 to around 578 million in 2100, compared to that of China, where number of workers are estimated to decline from 950 million in 2017 to 357 million in 2100.

■ It said that India may be one of the few major powers in Asia

The research also predicted huge shifts in the global age structure, with an estimated 2.37 billion individuals over 65 years globally in 2100, compared with 1.7 billion under 20 years.

to protect its working-age population over the century.

■ The world could be multi-polar at the end of this century, with India, Nigeria, China, and the US, emerging as the dominant powers, it added.

According to the study, the world population will peak much earlier than previously estimated. It projects the peak at 9.73 billion in 2064, which is 36 years earlier than the 11 billion peak projected for 2100 by the UN report World Population Prospects last year.

## FEEL GOOD

## Israelis are hugging trees instead of humans to beat pandemic blues



Can't embrace friends and family these days? Hug a tree instead.

That is the message Israel's Nature and Parks Authority is spreading on social media to try to help people overcome the sense of detachment that coronavirus social-distancing rules can bring.

"In this unpleasant corona period, we recommend people around the world to go out to nature, take a deep breath, hug a tree, express your love and get love," Orit Steinfeld, the authority's marketing director, said. At the Apollonia National Park, about 15 km north of Tel Aviv, tree-huggers are availing it gleefully.

Israel's tree-hugging campaign follows a similar endeavour launched in April by Iceland's forestry service.

## YOUR CORNER

**DO YOU HAVE ANY SUCH NOVEL IDEA? LET'S START A CAMPAIGN**

Share your ideas at [toinie175@gmail.com](mailto:toinie175@gmail.com)/  
[timesnie175@gmail.com](mailto:timesnie175@gmail.com)

## FASHION



## Fashion week goes digital

The digital Paris Haute Couture Week in early July saw collections showcased through films, Computer-generated imagery (CGI) models and social-distanced boat rides.

■ It featured designers, such as Christian Dior, Giambattista Valli, Chanel, Maison Margiela and Valentino. ■ Before this, British Fashion Council's digital London Fashion Week featured interviews, podcasts, webinars and digital showrooms. ■ Digital fashion weeks are being hailed as an eco-friendlier alternative to the traditional shows that have a massive carbon footprint.

## 'Star Wars: The Bad Batch' is coming to Disney Plus in 2021

A brand new animated series, 'Star Wars: The Bad Batch', will be coming to Disney Plus in 2021. The upcoming series will be a spinoff of the animated series, 'Star Wars: The Clone Wars', which concluded its run on the



ENTERTAINMENT

## NEWS IN

## BRIEF

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## Canon, Epson and Nikon—three kids—live in a house called Click

The newly-built house of a photographer couple Ravi and Krupa Hongal in Belgaum, Karnataka, which resembles a giant DSLR camera, has become a sensation on social media. Named Click, the house is also home to three kids, Canon, Epson and Nikon.

■ The three-storeyed camera-shaped house located in Shastri Nagar is an expression of passion and love for the art of photography of the couple, whose children, three boys, have been named after the iconic camera brands.

■ Their names, 'Canon', 'Epson' and 'Nikon' feature prominently on the house, whose exterior resembles a camera. Just like a camera, the building has a glass window shaped as a viewfinder and another as a



ODDLY-ENOUGH

lens. It sports a wide film strip, a flash and even a memory card. ■ The walls of the house walls and its interior have graphics related to photography.

## Roshni Nadar Malhotra is the new HCL Tech chairperson

India's third-largest software exporter HCL Tech has appointed Roshni Nadar Malhotra as its chairperson. HCL founder Shiv Nadar steps down as the chairman, but will continue to be the managing director and chief strategy officer of the company.



■ In 2013, Roshni Nadar was inducted as an additional director on the HCL Tech's board. This came four years after she was appointed on the board of HCL Corp, which is the holding company of HCL Technologies and HCL Infosystems. ■ She graduated with a Masters in Business Administration from Kellogg, and has been closely involved with philanthropic works over the last decade.

## IN THE NEWS

## POINTS TO REMEMBER BEFORE YOU START BLOGGING



**BLOGGING TAKES A LOT OF EFFORT:** Do not be fooled into thinking for a moment that it's as easy as it looks. You need to put in time and energy into writing, rewriting, editing, researching, sourcing images, etc. Once published, you also have to spend time promoting your blog on various networks. Be prepared to work hard. Also, be prepared to not have much of an audience in the beginning.

**CHOOSE A NICHE:** There are millions of blogs out there, and the only way to stand out in the noise is to have a niche and stick to it. You should write about something you are knowledgeable as well as passionate about, because that's the only way you will be able to produce good and engaging content.

**THERE IS NO HARM IN STARTING SMALL:** If you are starting a blog for the first time, it is possible that you are not entirely sure how things will go. You might love it, or you might decide after a few weeks or months that blogging isn't really your thing. Hence start small with a free site.

**NOTHING BEATS GREAT CONTENT:** Your audience will come to you for what you write, not because you have a killer blog theme or a funny blog name. The best way to build an audience is to put up well-written and engaging content, and to do so consistently. Interesting content gets shared, and gradually expands your reach.

**YOU WILL NEED TO LEARN NEW THINGS:** Unless you are already in a technical field, chances are that you will have to pick up a lot of new skills as you get serious about blogging. Every blogger needs to understand basic SEO and analytics, and keep abreast of the changes that keep happening courtesy Google. The good news is that there are a ton of resources out there offering tips and guidance.

**ALWAYS BE YOURSELF:** Develop your own style and voice, and don't be afraid to say what you feel.

## \$1.5 MILLION



## FACTOID

The price of the original handwritten lyrics of Don McLean's song, 'Vincent', a tribute to the painter Vincent van Gogh, which is likely to fetch at an auction, according to Los Angeles-based rare documents dealer, Moments in Time. The lyrics, scrawled in pencil over 14 pages with deletions and additions, are being sold by a person who acquired them directly from the American singer-songwriter.

■ First released in 1971, 'Vincent' opens with the words, 'Starry, starry night'; it was inspired by the painter's famous work, 'The Starry Night.' McLean, now 74, has said that he was inspired to write it after reading a biography of van Gogh. ■ 'Vincent' is McLean's most famous song after 'American Pie', whose lyrics sold for \$1.2 million at an auction in 2015. ■ The 'Vincent' lyrics were most recently seen in public, when McLean lent them to the Country Music Hall of Fame in Nashville for a 2018 exhibit.



## 170-metre tall asteroid to fly by Earth on July 24



A huge asteroid is making its way towards our planet. According to NASA, the asteroid, dubbed as 2020ND, is believed to be one- and a half times larger than the London Eye (443-feet-high). It will come within 0.034 astronomical units (AU) of Earth. An astronomical unit is equal to about 150 million kilometres, or roughly the distance from the Earth to the sun.

➤ The asteroid measures 170 metres, and will make a flyby next week on July 24, 2020. ➤ Although gigantic, it is not going to hit our planet or cause any serious harm to us, claim scientists. It is simply going to fly near the Earth at a fast speed, they add.

**1** Name the largest asteroid to be discovered, till date.  
a) Ceres b) Vesta c) Pallas

**2** Most of the asteroids are located between the orbits of-----  
a) Venus and Earth



b) Earth and Mars c) Mars and Jupiter

**3** What is the most common type of asteroid?  
a) Metallic b) Carbon c) Rocky

ANSWERS: 1 (a) 2 (c) 3 (b)



# Class X & XII students ride high on success

**CBSE SCHOOLS MAKE CITY PROUD AS STUDENTS EXCEL IN BOARDS**

**>> GITANJALI DEVASHRAY**

Gitanjali Devashray shines again with 100% results in the class X CBSE board examination. The management, heads, teachers and students celebrated this momentous effort and congratulated the students.

Of the total of 63 students who appeared for the class X board exam this year, 23 secured above 90% while 27 students are placed above 80%. Apart from this, 13 students have scored above 70%.

The topper Disha Jain has secured an overwhelming 97% while Apoorv Dubey secured 96%, taking the second place. Gurtejbir Singh scored 95% and has stood third.

Disha Jain has topped in all the subjects with an astounding score of 96 (English), 99 (Hindi), 94 (Science), 97 (Social Science); Apoorv Dubey and Krutarth Doshi scored 100 each in Math. Ten students have made it to perfect 100 score in Information Technology.



DISHA JAIN



APOORV DUBEY



GURTEJBIR SINGH

**>> ST ANDREWS SCHOOL BOWENPALLY AND KEESARA CAMPUSES**

Once again, students of St Andrews School have fared well in the class X board exams. A total of 454 students from Bowenpally and Keesara campuses appeared for the exam.

St Andrews School, Bowenpally recorded 99.8% pass percentage with 104 students scoring 90% and above. Gayathri Mangalarapu and Aasritha Yadav became school toppers with 98% marks followed by Praneethi Kamineni and Mummareddy Mukesh with 97% marks. Arpit Gupta and Mary Trisha Christopher secured the third rank with 96% marks.

Similarly, St. Andrews, Keesara recorded 100% pass percentage, with 10 students securing 90% and above from 34 students who appeared for the exam. Mamindla Rishi became the school topper with 96% followed by Harshith Suda with 93.6% and Praveenya Grace Velagaleti with 93.2%.

**>> SENTIA THE GLOBAL SCHOOL**

The students of Sentia The Global School have proved their mettle yet again by being top scorers in both class X and class XII CBSE board exams. Of 92 students, who appeared for class X exam, 43 students scored more than 90%. Soumya became the school topper with 98.2%, A Pratheeksha secured the second place with 98%, and Sachi secured the third place with 96.2%. Similarly, in class XII, Diva Shree Agarwal secured the top score of 94.6% and Tushitha Kaul stood in second position with 93.8%.

The numbers attest the fact that every single student of class X and class XII from the school has passed their board exams with First Class. Sentia is proud to be nurturing the students of such immense potential.

**>> BHARATIYA VIDYA BHAVAN PUBLIC SCHOOL VIDYASHRAM, JUBILEE HILLS**


SHOBIT SOOD



THIKKA AKHILA



AMMAR SOHEL AHMED



SASWATI PARIDA



B SUDI KSHA



P DEEKSHA



A AADYA



V MANASA

Bharatiya Vidya Bhavan Public School, Vidyashram, Jubilee Hills has been riding high after the brilliant performance of students in both classes X and XII CBSE board examinations.

As many as 90.2% of the students secured distinctions and 9.8% of the students secured first class in class XII. The school has marked a 100% pass percentage. Regularity and sincerity of the students and their qualities of benevolent behaviour and willingness to excel made them sail through class XII shining with success. Shobit Sood from Commerce became

the topper by securing 96.4% followed by Thikka Akhila from Science with 95.2% and Ammar Sohel Ahmed from Commerce with 95%.

The school has reflected a similar performance in the class X board exam with 100% pass percentage.

Sudiksha Bodepudi became the school topper with 97.4% followed by Patnam Deeksha, Vemulapalli Maanasa and Saswati Parida securing 96.6%. Aravapalli Aadya bagged the third rank with 96.0%.



SIDDHARTH SANGAM



MIHIRCHANDRA LOKE



VAISHNAVI A Y

**>> DELHI SCHOOL OF EXCELLENCE MANIKONDA**

Delhi School of Excellence, Manikonda recorded excellent results in class X CBSE board exams. Apart from registering a Centum Pass, there are several students who posted marks in the top 1 percentile or equivalent to the highest in the country. The stu-

dents credited their success to attentive teachers, concerned principal, supportive parents and their own hard work. Siddharth Sangam became the school topper with 96.2% followed by Mihirchandra Loke with 92.6% and Vaishnavi A Yaragambalimath with 90.8%.



AMRITHA VARSHINI



AMBICA SOWJANYA



SUHANI JAIN

**>> PALLAVI MODEL SCHOOL BOWENPALLY**

Varsha Sudarsan had joined Pallavi Model School, Bowenpally campus when she was in class IV, in the year 2013-2014. From the formative years, till the time she finished her secondary education, the school helped her balance between academic, co-curricular and extra-curricular activities. With all the support that she got from the staff at Pallavi Model School, Varsha was able to score 97% in the class X CBSE board exams and emerged as the school topper. At the same time, she has won several accolades for the school such as nominations in dance reality shows like dance plus and India's Got Talent. She has also won several interschool literary and cultural competitions. All of this was possible with the support and motivation provided by the faculty at the school. Varsha extended her sincere gratitude to all her teachers for moulding her into a person that she is today.



VARSHA SUDARSAN

**>> DELHI PUBLIC SCHOOL HYDERABAD**

Delhi Public School, Hyderabad shines again with 100% pass percentage in class X CBSE board exam. Of 286 students, who appeared the exam, 126 students secured above 90% marks and 235 students secured distinction marks. The school toppers are Soumyadeep Mahapatra, Nallagundla Tejasvi, Sahil Umesh Kurambhatti and Udayan Sharma with 97.80%.

As many as 126 students secured above 90% marks, 15 students secured 100 marks in mathematics, two students got 100 marks in social science and five students secured 100 marks in sanskrit.



SOUMYADEEP MAHAPATRA



NALLAGUNDLA TEJASVI



SAHIL UMESH KURAMBHATTI



UDAYAN SHARMA

**>> DELHI PUBLIC SCHOOL NACHARAM**

Delhi Public School Nacharam made it to the top once again in class X and XII CBSE board exams. The school management congratulated the students and the teachers who have put up an exemplary performance in AISSEE (2019-2020) board exams and achieved 100% pass percentage.

In class XII, the school topper from the Science stream is Debopriya Bhattacharjee with 97.6%, the Commerce topper is N Pravena with 96.4%, the Humanities topper is Himanshu Kulkarni with 96%. As many as 22 students have scored 95% and above, 81 students have scored 90% and above, 201 students have scored 80% and above, 282 have scored 70% and above and all the 306 students (100%) have scored 60% and above. Thirteen students have secured national ranks in various subjects.

Similarly, in class X, the school topper is Sasi Snigdha Yadavalli with 97.6%, the second topper is Navya Mitnala with 97.2% and the other toppers are Rishab Natarajan with 97%, Bharat Goel with 96.8% and Makam Nikitha with 96.4%.

As many as 80 students have scored national ranks in various subjects, 28 students have scored 95% and above, 160 students have scored 90% and above, 369 students have scored 80% and above, 430 have scored Distinction (75%), 491 have scored 70% and above, 547 have scored 60% and above and 10 students have secured above 50%.



SASI SNIGDHA YADAVALLI



RISHAB NATARAJAN



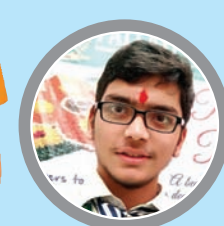
NAVYA MITNALA

**>> PALLAVI MODEL SCHOOL BODUPPAL**

The much-awaited class X results brought a cheer to many of the students, parents and management of Pallavi Model School, Boduppal, as 80% of the students secured more than 70% marks. Principal T Tanuja congratulated all the students. Anmol Pandey became the school topper by securing 94% marks followed by Vaishnavi Mahendra with 93.5% and K Rushitha Goud with 93.3%.

marks. They expressed their gratitude to the teachers and their mentors.

Expressing joy and elation, academic director Sudha said, "Kudos to the team of teachers and students who have worked relentlessly to give their best." Sushil, director said that the meticulous preparation of students and teachers led to the laudable achievement of the school.



ANMOL PANDEY



VAISHNAVI MAHENDRA



KONDA RUSHITHA GOUD

**>> SISTER NIVEDITA SCHOOL**


AAKRITI SINGH



SHWETANK SHEKHAR



PRIYANSHU MODI



LAKSHMI VAIBHAVA

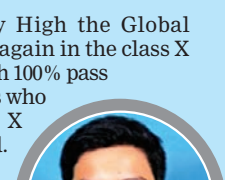
Sister Nivedita School, Ameerpet, recorded 100% pass percentage in the class X CBSE board exam. "Securing 100% in Mathematics is not difficult," says Aakriti Singh, the school topper with 96.4%. She is followed by the second topper Shwetank Shekhar with 96.2% and the third rankers Lakshmi Vaibhava and Priyanshu Modi with 95% each. Overall, 85% of students passed the examination with distinction.

**>> KENNEDY HIGH THE GLOBAL SCHOOL**

Students of Kennedy High the Global School excelled once again in the class X CBSE board exam with 100% pass percentage. All 185 students who appeared for the CBSE X Board exam have succeeded.

Chairman S Jamala Reddy congratulated the students for their exemplary performance and complimented the combined efforts of students, teachers and parents. He applauded the students who scored 100 marks in English, Mathematics and Sanskrit.

Prajwal Tiwari emerged as the school topper with 98.2% marks followed by Pranati Tandon with 97.4% and Sriya Vinaya K with 97%. Principal Rajyalaxmi Bhat appreciated the hard work put in by the students and teachers.



PRANATI TANDON



SRIYA VINAYA K