



# THE TIMES OF INDIA

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STUDENT EDITION

TUESDAY, JULY 21, 2020



WEB EDITION



## NASA issues new guidelines to protect the Moon and Mars from EARTH'S GERMS

Adhering to planetary protection has always been a bit tricky, as practically everything we send into space has some kind of microbe

### HOW NASA PLANS TO PROTECT MARS FROM EARTH'S GERMS

1 Develop capabilities to monitor biological processes associated with the human presence in space exploration, and to evaluate changes overtime

2 Work on technologies for mitigating contamination release or intrusion, including closed-loop systems; cleaning/re-cleaning capabilities; quarantine, support systems, and biological waste disposal that minimise the impact of humans on the environment of Mars

3 Create an understanding of environmental processes on Mars that would contribute to transport and sterilisation of terrestrial organisms released by human activity

(BUSINESS INSIDER)



The National Aeronautics and Space Agency (NASA) has issued new guidelines to protect the Moon and Mars from 'terrestrial contamination', as the number of missions is set to increase in the near future.

### THE GUIDELINES

The far side of the Moon, or the permanently-shadowed regions' have been designated as 'sensitive locations'. According to the observations made by the Lunar Reconnaissance Orbiter (LRO), they lie between the latitudes of 79 degrees north and 86 degrees north.

### HOW NASA PLANS TO PROTECT THE MOON FROM EARTH'S GERMS

Anyone or anything going to Moon is now required to provide an inventory of biological materials, living and dead, included in the spacecraft hardware and payloads

Crewed missions, like the Artemis mission scheduled for 2024, will have to provide a list of the amount and disposition of biological materials—including waste—that will remain in the lunar environment

NASA asserts that these areas are "of significant interest relative to the process of chemical evolution," which is why the reporting of biological materials is warranted.



### ECONOMY



## IMF calls for sustainable food systems in a post-Covid world

The rebuilding of economies after Covid-19 crisis offers a unique opportunity to reform the global food system and make it resilient to future shocks. Ensuring environmentally-sustainable and healthy nutrition for all, the International Monetary Fund (IMF) has said. Food systems are at the crossroads of human, animal, economic and environmental health. Ignoring this poses the world economy to ever-larger health and financial shocks as climate changes and population growth.

The global food supply chain—highly-centralised and operating on a just-in-time supply basis—is prone to falter in the face of shocks. In many countries, for example, it became impossible to harvest or package food, as workers were blocked at borders or fell sick. Elsewhere, stocks piled up and avalanches of food went to waste because restaurants and bars were closed. In developing countries, the United Nations' Food and

Agriculture Organisation and the World Food Programme expect that a 'hunger pandemic' and a doubling of people starving may soon eclipse the coronavirus, unless action is taken. Cracks in the global food system's facade have long been apparent. According to the latest State of Food Security and Nutrition in the World, in 2018, about 820 million people suffered from hunger, and a third of all people lacked essential nutrients

### TOPPERS' STORY

PRIYANKA RATNU, TP School, Jaipur  
STREAM: COMMERCE  
SCORE: 94.6%

I was very confident about my result, because I had written my exams very well.



Therefore, when I finally saw my score, I was thrilled that my strategy worked well. There was always a latent desire to prepare for the Boards, but the desire got wings, when my teachers believed in me, and started working hard with me. Time management, patience, and perseverance are the sine qua non for this exam.

### QUOTE UNQUOTE

The pandemic has brought home the tragic disconnect between self-interest and the common interest; and the huge gaps in governance structures and ethical frameworks. A changing world needs new social protection policies with safety nets, including universal health coverage and the possibility of a universal basic income. Now, is the time for global leaders to decide: Will we succumb to chaos, division and



inequality? Or will we right the wrongs of the past and move forward together for the good of all? ANTONIO GUTERRES, SG, UN



Q How would the ministry of magic from Potterworld deal with this pandemic?

How would Dolores Umbridge deal with it? Would she order all the wizards for a lockdown and ask for Harry, Ron and Hermione's help? Would all the families start stocking their food items, including the Malfoys and the Weasleys? What do you think would happen?, asks Kanakdeep Kaur Sohal, class IX, The Orbis School, Pune

Send your replies at timesnie175@gmail.com

### CELEB TALK

## It's an extraordinary time for us to educate: Dia Mirza

Actress Dia Mirza, a United Nations Sustainable Development Goals advocate, feels that the world is passing through testing times, courtesy, the Covid pandemic. She said, "It is an extraordinary time for mankind to educate and push ourselves to do better". In a conversation with the UN deputy secretary general Amina Mohammed and fellow SDG advocate, the Norwegian Prime Minister, Erna Solberg, Dia said, "this pandemic is the outcome of our broken relationship with nature and the disruptions that we've caused in our ecological balance. I hope more people recognise this interconnection, and the fact that our lives, our health, our progress is not separate from the health of the environment and nature," she added.

The only way we can actually hope to achieve the sustainable development goals is by protecting, conserving and securing biodiversity; that's fundamental to everything that we hope to achieve

Dia Mirza, actress and UN ambassador



### TECH

## Google says no to 'dangerous content', ban ads on Covid-19 conspiracy theories

Alphabet Inc's Google has said that it would prohibit websites and apps, which use its advertising technology, from running ads on "dangerous content" that goes against the scientific consensus during the corona virus pandemic. The world's largest search engine updated its policy, as the health crisis has continued to rage throughout the United States. Digital advertising giants, like Google and Facebook Inc have faced calls to do more to clamp down on misinformation.



Google has already barred ads with harmful content, like "miracle" health cures, or which promotes the anti-vaccination movement. It also prevents ads from running on publisher content that encourages these topics

Google's new policy will also ban advertisers from creating their own ads that promote coronavirus conspiracy theories

### NEWS IN BRIEF

## Now, Keanu Reeves turns into a comic book writer

Hollywood star Keanu Reeves is all set to launch his comic book writer with Boom Studios' 'BRZRKR'. For the upcoming 12-issue limited series, the John Wick actor has collaborated with writer Matt Kindt, artist Alessandro Vitti, colourist Bill Crabtree and letterer Clem Robins. The print versions of 'BRZRKR', featuring cover art by Rafael Grampa, will be released in the US in October.

The action-packed comic book focuses on a warrior, who resembles Reeves, and has walked a blood-soaked path across the world for centuries. In the present day, he does dangerous jobs for the US government in exchange for the truth about his existence



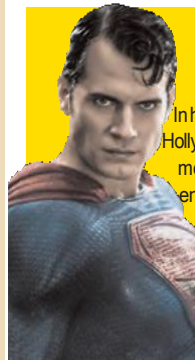
## 'Chernobyl' wins big at virtual BAFTA TV Craft Awards



HBO and Sky's nuclear drama, 'Chernobyl' emerged as the biggest winner at the BAFTA TV Craft Awards on Friday, after taking home prizes in seven categories. The 2019 released historical drama revolves around the Chernobyl nuclear disaster of April 1986. The explosion at the Chernobyl nuclear power plant in the Union of Soviet Socialist Republics was one of the world's worst man-made catastrophes. The award ceremony was hosted by Stephen Mangan from a socially-distanced studio and broadcasted as live on BAFTA's social media channels.

BBC and HBO's Philip Pullman adaptation, 'His Dark Materials', which got a nomination for five prizes, won two awards, while Aisling Bea won in the Breakthrough Talent category for her writing debut, 'This Way Up'

## 'Superman' Henry Cavill builds gaming PC from scratch and documents it with video



In his latest Instagram video, PC gamer and Hollywood actor Henry Cavill documented how he built a high-end gaming computer from scratch. The time-lapse video shows the actor, best known for playing Superman, from reading the manual to assembling



the parts, part by part, even documenting the errors and reversals. Sharing the time-lapse video on Instagram, the actor wrote, "this kind of material isn't for everyone", and that you "may see a lot of parts that you haven't seen before." With R&B singer Barry White's, 'You're the First, the Last, My Everything', playing in the background, Cavill seems to have taken hours to assemble the computer.

## IIM, K develops 'veli band' for social distancing

An Indian Institute of Management Kozhikode (IIM, K) initiated startup has come up with a wearable device for organisations, 'Veli Band', keeping in mind the social distancing norms. Developed by Qual5 India, the device to be worn on wrists, can keep track of interactions with other devices, thereby helping in tracking the movement of the employees.

By using location and contact tracing, it can help organisations comply with the social distancing norms during the current pandemic situation

To notify wearers about other band wearers, who are within three-feet or one-metre radius, the Veli Band, momentarily vibrates, sounds buzzer, and flashes LED simultaneously



INNOVATION

## HRD minister launches first online NISHTHA programme

Union HRD minister Ramesh Pokhriyal Nishank has launched the first online National Initiative for School Heads and Teachers Holistic Advancement (NISHTHA) programme for 1,200 key resource persons of Andhra Pradesh. Around 23,000 key resource persons and 17.5 lakh teachers and school heads have been covered under the NISHTHA face-to-face mode till date.



EDUCATION

The module developed under NISHTHA focuses on the holistic development of children, including curriculum and inclusive education, health and well-being, personal social qualities, art integrated learning, initiatives in school education, subject-specific pedagogies, ICT in teaching-learning, leadership, pre-school education and pre-vocational education. All the modules are centered around learning outcomes and learner-centered pedagogy

These modules are made interactive with reflective and engaging activities for teachers, providing space to educational games and quizzes for joyful learning by the teachers and school heads, which in turn will motivate teachers to implement this in their classroom for enhancing students' learning outcomes

**Success is not final; failure is not fatal: It is the courage to continue that counts.**

Winston S. Churchill

Bhai Parmanand School, Surya Niketan Science, DEEPANSHU MITTAL, **97.4%** Humanities, POORVI JAIN, **97.6%**

Bharti Public School, Swasthya Vihar Science, SHIVANGI AGGARWAL, **98.4%**

Bharti Public School, Mayur Vihar-3 Humanities, Jissa Alex, **97%**



Bhartiya Vidya Bhavan School, KG Marg Science, Aditya Kediya, **94.4%** Commerce, Shivansh Raj, **97.2%** Humanities, Vaaridhi Madan, **97.6%**

Bhatnagar International, Paschim Vihar Science, Arnav Gupta, **97.20%** Commerce, Gaurika Manchandana, **97.60%** Humanities, Khushika Srivastava, **97%**

Bhatnagar International, Vasant Kunj Science, Harshit Gupta, **98%** Commerce, Tegsimar Singh Arora, **95.60%** Humanities, Sunidhi Chauhan, **90.20%**

Birla Vidya Niketan, Pushp Vihar Science, Akash Chhabra, Sona Varshney and Chaitanya Gulati **98.8%** Commerce, Gaurie Mehra, **98.2%** Humanities, Jhanvi Negi, **98.2%**



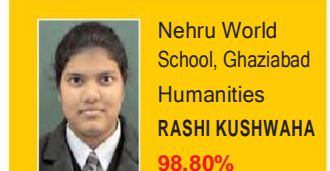
Mayoor School Noida  
Commerce  
**HARSHIT GUPTA**  
**98.5%**

Blue Bells Public school sec 10 Science, Riya Sharma, **96%** Commerce, Irijaya Kaira, **96.1%** Humanities, Cheshta Wason, **97.8%**

Blue Bells Public School sec 10 Science, Sagar pahuja and Tanisha Prakash (non med), **95.8%**

Blue Bells Model School, Gurgaon Science, Ashish Singh, **97.8%**, Soumya Jain, Tanvi Pundhir, **97.4%** commerce, Mannat Arora, **97.4%** Humanities, Kamyia Vats, **98.2%**

Bluebells School International, Kailash Science, TAKSHIL RASTOGI, **96.4%** Commerce, MAHIMA ARORA, **98%** Humanities, SANIGDHAYA MAHAJAN, **97.2%**



Nehru World School, Ghaziabad Humanities  
**RASHI KUSHWAHA**  
**98.80%**

Bosco Public, Paschim Vihar, Science, Mansi Goel, **96.75%** Commerce, Amandeep Singh Bhutani, **98.25%**

Cambridge School, Srinivaspuri Science, Yukti rastogi and Mohammad Momin, **96%** Commerce, Bhavya Bansal, **98.4%** Humanities, Disha Sisodia, **98%**

Cambridge School, Gr. Noida Science, Himank Gangwar, **97.4%** Commerce, Vidisha Saxena, **94.4%** Humanities, Dweeti Bhardwaj, **95.4%**



CCA School, GGN, sector 4 Science, Naman Sharma (non med), **96.6%** Humanities, Aastha Chopra, **97%**

CCA School, GGN, sector 4 Science, Vishu Aasliya (med), **96.2%**

Crescent School, Daryaganj Commerce, Mohid, **90%** Humanities, Abid Humza, **94%**

Crpf Public School, Dwarka Science, Priya aggarwal, **96.2%** Commerce, Suhasni, **97.2%**

CRPF School, Rohini science, Jagriti Malhotra (non med), **95.25%** Commerce, Pratik Ganguly, Reva Singh, **98%**

CRPF School, Rohini Science, Kashvi Sharma (med), **95.75%** Daisy Dales School, East of Kailash Science, Priya, **92%** Commerce, Zoya, **90%** Humanities, Hilal, **93%**



Darshan Academy, Kirpal Bagh Science, Divye Satina, **97.2%** Humanities, Prashansa Joshi and Riya Sharma, **98%**

DAV Public School, Jasola Vihar Science, Kanishka **97.8%** Commerce, Lokesh Goyal **95.8%** Humanities, Kriti Singh **97.6%**

Dav Public School, NH3 Faridabad Science, Swastik Bisnoi, **94.2%** Commerce, Muskan Verma, **94.4%** Humanities, Anshul Rani, **88.2%**

DAV Public School, Ashok Vihar Science, Raina Jain **96.2%** Commerce, Gunjan Aggarwal **97.6%** Humanities, Shubhangi Sharma, Deepika Batra, Anjani Chauhan, and Moupiya Samadder, **96.6%**

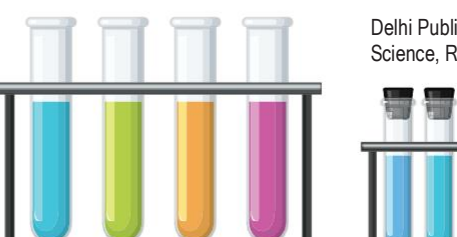
I feel fortunate and blessed that I am one of the toppers of the school. Now I have started my planning accordingly. I thank all my teachers for extending support whenever I needed  
**Paarth Pruthi, KMIT Pitampura**

DAV Public School, Loni Road Science, TUSHAR CHANDOLA, **98%** Interstate-Bold Condensed Commerce, ANSHIKA, **95.6%** Humanities, URJA, **92.6%**

DAV Public School, Sreshtha Vihar Science, HARSHITA VARSHNEY, **98.2%** Commerce, HARDIK KAPOOR, **98.4%** Humanities, YUVRAJ DHAMA, **97.2%** VOCATIONAL, GARVIT PANKAJ, **93.2%**

DAV Public School, Pushpanjali Enclave science, Ishika Aggarwal, **96.8%** Commerce, Ishita Kaushik, **98%** Humanities, Deepali, **98%**

DAV Public School, Sec 14, Faridabad Science, Mansi Bansal (non med), **96.00%** Commerce, Vanshika Dhawan, **95.60%** Humanities, Tanisha, **96.40%**



DAV Public School, Kailash Hills Science, Rohan, **95%** Commerce, Ayushi Arora, **95.20%** Humanities, Tejasvi, **94.80%**

Dav Public School, Dwarka Commerce, Sonal Arun, **95.8%**

DAV Public School, sector 49, GGN Science, VANSHIKA KUMAR, **96.8%** Humanities, SHREYA GUPTA, **96.4%**

DAV Public School, sec-14, Gurgaon Science, Amit Batra, **97.8%** Commerce, Ashish Sehgal, **97.2%** Humanities, Sneha Bisht **98%**

DAV Public School, Sec 14, Faridabad Science, Nandini S. Nair (med), **93.40%**

Dev Samaj Modern School, Nehru Nagar Science, Rahul Sharma, **95.80%** Commerce, Mamta Kumari, **97%** Humanities, Kritika Gautam, **95.40%**

Dev Samaj Modern School No.2, Sukhdev Vihar Science, Sameeya, **92.8%** Commerce, Anmol Gupta, **91.8%** Humanities, Himanshu Yadav, **95%**

DL DAV Model School, SHALIMAR BAGH SCIENCE, HARSH PRIYADARSHI, **97%** COMMERCE, GURPREET SINGH, **96.80%** HUMANITIES, KRITIKA AGGARWAL, **97%**

DPPS, Safdarjung Enclave Science, Pratik Tyagi, **95.6%** Commerce, Bhavya Sharma, **96.6%** Humanities, Yukta Plaha, **96.8%**

DPS, Noida Science, Ishita Agrawal, Ishita Pundir, **98.40%** commerce, Diksha Gulati, **98.20%** Humanities, Diva Valli, **98.60%**

Dps Dwarka, Dwarka Science, Ishita Vashisth, **97.2%** Commerce, Vipul Bharti, **97%** Humanities, Kartik Yadav and Vanshika Nag, **98.4%**

DPS, Sec 45, Gurgaon Science, Writika Sarkar, **98.4%** Commerce, Aayush Saroha, **98.4%**

DPS, Sushant Lok, Gurgaon Science, Aishwarya Kaushal, **98%** Humanities, Apoorva Goel, **96.4%**

Drona Public School GGN Science, Anjali, **94%** Commerce, Shazia, **93%** Humanities, Nidhi, **96.20%**

My success mantra is my belief in hardwork, determination and never giving up. I am thankful to my parents principal and teachers for their support and love.  
**Amarnoor Kaur, Hillewa Academy**

# results

Results printed are in no specific order will be continued in next edition

Scoring 99.8% in boards was a dream that I dreamt with my eyes open. With God's blessings, parents' motivation and teacher's and school's support I have attained my goal.  
**Anshika Singhal, Bhai Parmanand School, Surya Niketan**

Eicher School Faridabad Science, Swastika Pandey (non med), **96.8%** Ingita Deymunshi (med) **95.6%** Commerce, Gagandeep singh, **95.2%** Humanities, Tuhina Sharma, **95.6%**

Euro Int School, Sec 45, Gurgaon Science, Renuka, **97.6%** Commerce, Mayank, **97.6%** Humanities, Mohit, **97.4%**

Euro International School, sector 10 GGN Science, Krishna Saini and Vrinda Sainiv **90.4%** commerce, Sakshi Chauhan, **94.6%**

Evergreen Public School, Vasundhra Enclave Science, TAHSHEEN, **95.4%** Commerce, SUGANDH PANDEY, **96.8%** Humanities, NITISHA CHAURASIA, **97.6%**

Father Agnel School, Gautam Nagar Science, Kumar Mayank, **96.8%** Commerce, Ish Uppal, **97.6%** Humanities, Haya Naved, **99%**

Floradale School, Dilshad Garden Science, KUNAL SINGH RAJPUT, **95.8%** Commerce, LAKSHAY GUPTA, **95.6%**

Fortune world school, Noida Science, Niharika Singh, **95.75%** Commerce, Sanju Sharma, **95.75%**

G.D Goenka School, Dwarka Science, Adira Sunil Nair, Mitika Tewari, **95%** Commerce, Dharamveer Singh, **97.5%** Humanities, Gauri Yadav, **98.25%**

GD Goenka, Model Town Science, Khushi Mahajan, **97.7%** Commerce, Naman Jain, **97.2%** Humanities, Sneha, **98.2%**



GD Goenka public school, sector 9, Rohini Science, Satvik Gupta, **95%** Commerce, Chevy Jain, **97.2%** Humanities, Saloni Bansal, **97.2%**

GD Salwan Public School, Rajinder nagar Science, Meghna Grover, **96.2%** Commerce, Shivam Jain, **96.2%** Humanities, Ashween Kumari, **95.4%**



Khaitan Public School, Ghaziabad Humanities  
**RIDDHIMA SHARMA**  
**99.6%**

General Raj's School, Hauz Khas Science, Simran Kalra, **97.6%** Commerce, Akanksha Mathpal, **96%**

GHPS, Tilak Nagar science, Bhavish Saini, **94.20%** Commerce, Sahajpreet singh **92.40%** Humanities, Sukhman Marwah, **81.60%**

Gitarattan Jindal public school, Rohini Science, Saransh Bansal, **95.6%** Commerce, Nipun Gupta, **96.6%**

Git. Saraswati bal Mandir, Nehru Nagar Science, Vipul Chamoli, **95.2%** Commerce, Bharti Sharma, **91.5%** Humanities, Shabnoor Khan, **96.25%**

Goodley Public School, SHALIMAR BAGH SCIENCE, BHAVYA ARORA, **97.80%** COMMERCE, PRIYANSH GUPTA, **97.60%** HUMANITIES, KAPIL WALIA, **95%**

Greatervalley International School, Gr. Noida Science, Yuvraj Singh, **93.2%** Humanities, Avika Singh, **97.2%**

Greenfields Public School, Dilshad Garden Commerce, AYUSH PALAWAT, **97.2%** Humanities, KHUSHI OBEROI, **98.4%**

Greenfields School, Safdarjung Enclave Science, chayanika basak, **96.4%** Commerce, Rhea Gupta, **94.8%** Humanities, Aastha Pandey, **97.8%**

**The real test is not whether you avoid this failure because you won't. It's whether you let it harden or shame you into inaction, or whether you learn from it; whether you choose to persevere.**

Barack Obama