



THE TIMES OF INDIA

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STUDENT EDITION

THURSDAY, JULY 23, 2020



WEB EDITION

UNVEILED

The biggest-ever 3-D MAP OF THE UNIVERSE

Four million galaxies and quasars, more than two decades of collaboration, five years of continuous observations, hundreds of scientists from 30 institutions. And voila! We have the largest-ever 3-D map of the Universe! The map provides an accurate look at the scale and expansion of the Universe, from after the Big Bang onwards...

WHAT IS A GALAXY?

A galaxy is a huge collection of gas, dust and billions of stars and their solar systems, all held together by gravity. A study in 2016 estimated that the observable Universe contains two trillion galaxies.

TYPES OF GALAXIES

Some galaxies are spiral-shaped. They have curved arms that make it look like a pinwheel. Other galaxies are smooth and oval-shaped. They're called elliptical galaxies. There are also galaxies that aren't spirals or ovals. They have irregular shapes and look like blobs. The light that we see from each of these galaxies comes from the stars inside it.

Astronomers believe that nearly all the galaxies—with possible exceptions—are embedded in huge halos of dark matter.

ORIGIN OF THE GALAXIES

Quasars are super-bright galaxies lit up by material falling onto a central super-massive black hole.

WHAT ARE QUASARS

Quasars are super-bright galaxies lit up by material falling onto a central super-massive black hole.

WHAT IS GENERAL RELATIVITY?

Coined by Albert Einstein, it's essentially a theory of gravity. According to it, gravity is a curving or warping of space. The more massive an object, the more it warps the space around it. For example, the sun is massive enough to warp space across our solar system – a bit like the way, a heavy ball resting on a rubber sheet warps the sheet. As a result, the Earth and the other planets move in curved paths (orbits) around it. (SOURCE: NASA, NGC)

1) The word "galaxy" comes from the Greek word for milk.

a) True b) False

2) Our galaxy is a _____ galaxy.

a) Irregular b) Spiral c) Twirl

3) The galaxy where few new stars are formed because of lack of free gas is.....

a) An irregular galaxy
b) A spiral galaxy
c) An elliptical galaxy

ANSWERS: 1) B 2) B 3) C



CBSE tele-counselling window open for students till July 27

Class X and XII students can now avail post-result tele-counselling facility till July 27, the CBSE has said. The CBSE Board has opened the window of helpline numbers for results-related issues, common psychological and general queries of students and parents. The Board has also put up frequently-asked questions about results and compartment related queries on the website, which can be beneficial for the students.



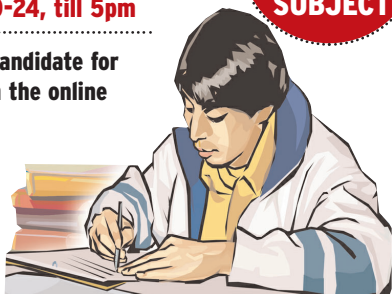
HELPLINE NUMBER:
1800118004

FOR VERIFICATION OF MARKS:
Apply online from July 20-24, till 5pm

■ Only one application per candidate for each step will be accepted in the online process

■ Any incomplete or offline applications will be rejected without any correspondence with the candidate

FEE:
₹500
PER
SUBJECT



Climate change indicates polar bear wipeout by 2100



ENVIRONMENT

Climate change is starving polar bears into extinction, according to a research that predicts that the apex carnivores could all but disappear within the span of a human lifetime. In some regions, they are already caught in a vicious downward spiral, with shrinking sea ice cutting short the time the bears have for hunting seals, scientists have reported. Their dwindling body weight undermines their chances of surviving Arctic winters without food, they added.

On the current trends, the study concluded that the polar bears, in 12 of 13 sub-populations analysed, will be decimated within 80 years by the galloping pace of change in the Arctic, which is warming twice as fast as the planet as a whole.

■ By 2100, new births will be severely compromised or impossible everywhere, except perhaps in the Queen Elizabeth Island sub-population in Canada's Arctic Archipelago, scientists have warned.

■ That scenario foresees Earth's average surface temperature rising 3.3 degrees Celsius above the pre-industrial benchmark, they added.

■ One degree of warming so far has triggered a crescendo of heatwaves, droughts and superstorms.

■ But even if humanity were able to cap global warming at 2.4C -- about half-a-degree above the Paris Agreement targets, but hugely ambitious all the same -- it would probably only delay the polar bears' collapse.

■ Half of the Earth's land-based megafauna are classified as threatened with extinction, but only polar bears are endangered primarily by climate change, researchers claimed.

NEWS IN BRIEF

[CLICK HERE FOR MORE](#)

Don't let social media play with your mind: Shilpa Shetty

Actress Shilpa Shetty has shared tips on how to deal with social media and posts that might affect us. Sharing her post on Instagram, the actress said, "there's so much on social media that is shared purely as a façade to cover the lives we lead. The hardships, the struggles, the low days, the heartbreaks, the insecurities, and much more, are easily concealed behind a mask of filters... one that we've been wearing since time immemorial." Maintaining positivity while on social media, is necessary for our mental health, she added.

CELEB TALK

THE TIPS

➤ Always remember, nobody's life is perfect. Most are dealing with their own issues... So, don't let social media trick you into believing what you see, and don't allow it to play with your mind and emotions.

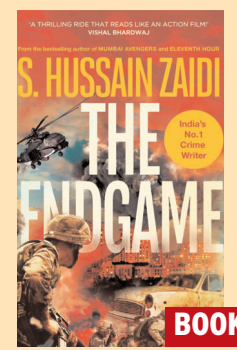
➤ Life isn't a bed of roses for any of us, but we're all in this together. Let's try and make this medium a positive one with constructive criticism and care, to make us a healthier community, less negative and more positive 'grams' on this 'gram'.

➤ Stay strong, my instafam, let's make a happy and healthy community, and reassure ourselves that..... This too shall pass.



Hussain Zaidi pens new novel 'The Endgame'

Crime writer S Hussain Zaidi has come out with a new novel, which talks of politics, betrayal and unimaginable terror. 'The Endgame' gives the readers a close-up of complex political machinery at work, including state security, defence services and intelligence agencies. The novel explores the challenges that the security of a country faces from within and without at the same time.



It takes the mentor-protege team of Shahwaz Ali Mirza and Vikrant Singh onwards from their earlier mission, and places them in a situation, where the stakes are even higher than before. Apart from a threat looming over the nation, they must also contend with the enemies from within, as well as a conflict between themselves. "It is, essentially, a story of the human beings behind the uniforms, with all their strengths and flaws, showing how they are required to make sacrifices at a personal level, because the job demands it," says the former journalist, whose several books have been adapted into films.

MESSI TOPS SEASON FOR THE RECORD SEVENTH TIME

IN THE NEWS

Lionel Messi finished as the top scorer in La Liga for a record seventh time as dethroned champions Barcelona ended their disappointing campaign on a high with a resounding 5-0 win at Alaves recently. Barca finished the season with the second position in the standings on 82 points, five points behind the newly-crowned champions, Real Madrid.

For the record Messi has top-scored in: 2019-20, 2018-19, 2017-18, 2016-17, 2012-13, 2011-12, and 2009-10. That's seven times in 12 seasons! He has scored 444 goals in the league, since his debut as a 16-year-old in the 2003-04 season. Cristiano Ronaldo, now with Juventus, with 311 goals, ranks second.



SPORTS

Ballon d'Or will not be awarded this year due to Covid-19 pandemic

The prestigious Ballon d'Or will not be awarded this year because the coronavirus pandemic has disrupted the football season. "It's such a strange year that we couldn't treat it as an ordinary one. Let's say that we started talking about



(making the decision) at least two months ago," France Football editor Pascal Ferré said. Because the game's rules have been modified during the pandemic, the award itself was impacted, he added.

Awarded by the France Football magazine, the Ballon d'Or has been given out every year, since Stanley Matthews won the first one in 1956. Lionel Messi has won it a record six times – one more than longtime rival, Cristiano Ronaldo.

ICC announces postponement of 2020 T20 World Cup

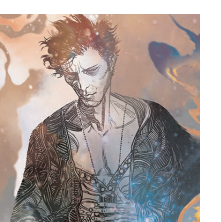
Having dilly-dallied over the last couple of months, the International Cricket Council (ICC) has finally announced that the 2020 edition of the T20 World Cup to be held in Australia, has been postponed due to the coronavirus pandemic.

The windows for the Men's events are: ICC Men's T20 World Cup 2021 will now be held in October- November 2021, with the final on November 14, 2021. ICC Men's T20 World Cup 2022 will be held in October - November 2022, with the final on November 13, 2022. ICC Men's Cricket World Cup 2023 will be held in India in October - November 2023, with the final on November 26, 2023 (Agencies)



Neil Gaiman shares update on his 'The Sandman' series at Netflix

Author Neil Gaiman has said that the production on the much-awaited Netflix series on his critically-acclaimed novel, 'The Sandman' will start in 2021. Netflix has struck a huge financial deal with Warner Bros Television to adapt the bestseller into a live-action TV series. In an interview with Digital Spy, Gaiman said the series was scheduled to start production in May this year, but got pushed due to the coronavirus pandemic.



ENTERTAINMENT

'The Sandman' follows a tale of horror, dark fantasy, and mythology—Morpheus, the Lord of Dreams and the Endless, the powerful group of siblings that include destiny, death, destruction, despair, desire and delirium (as well as dream). Gaiman said the Netflix series would be set in 2021.

Students bring glory to their schools

MERIDIAN SCHOOL MADHAPUR

The class X and XII CBSE board results for 2019-2020 showcased the academic excellence of Meridian School, Madhapur. The school recorded a 100% pass percentage. In class XII, Charmikha from Science stream emerged as the school topper with 95.6% followed by Rachel Ratna with 95%. Karan Wadhwa from Commerce secured the third rank with 94.4%. More than 75% of the total science stream students secured above 80% as their average score.

Overall 60% of the total strength secured more than 80% in class XII, and most of the students have already got admissions into prestigious colleges within the country and abroad.

Reflecting a similar graph, the class X results of the school showed a steep rise. The school topper Noshita Arora scored 98.4%. She was closely followed by Naman

Kale at 98.2% and Lalitha Taruna and Pulak Pradhan at 98%.

With more than 50% of the total strength scoring above 90%, the school produced 27 centums in various subjects including Maths, Social studies, French and Sanskrit.

Vice principal Sai Sathyaki thanked all the parents for their support, the tireless efforts of the teaching team and the ever energetic students. Academic coordinator of senior school Sunitha Saripally said the results were an outcome of careful planning and flawless execution of curriculum planners under the able guidance of the well experienced and knowledgeable former principal Lalitha Naidu. Principal Snigdha Sachdeva assured that this legacy of excellence would continue over the years and thanked the management and founders of the school Neelkanth Butta and Renuka Butta for their unstinted support.



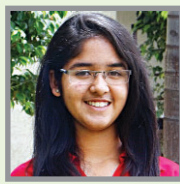
CHARMIKA



RACHEL RATNA



KARAN WADHWA



NOSHITA ARORA



NAMAN KALE



TARUNA



PULAK PRADHAN

DELHI SCHOOL OF EXCELLENCE ATTAPUR

Another feather has been added to the cap of Delhi School of Excellence, Attapur for having achieved cent per cent results in class X CBSE board exam 2019-20.

Radhika Sarda emerged as the school topper with 97% marks and is also the topper in Hindi & Science. T Uthkarsh and Ishaan Bhagat secured the second rank with 94.4% while K Sanjana stood third by securing 94%. The management appreciated the hard work of the students and dedication shown by the teachers.



RADHIKA SARDHA



T UTHKARSH



ISHAN BHAGAT



KORADA SANJANA

Sharing Bonalu festivities online

Pallavi Model School Bowenpally

Bonalu festival is celebrated in Telangana in the month of Ashada in July and/or August. The students from the pre-primary wing of Pallavi Model School, Bowenpally, came up with innovative virtual celebrations.

Children were dressed up in their traditional clothes and the virtual auditorium looked vibrant. Students and their mothers were invited to speak about the significance of the festival. Venya Reddy carried an earthen pot decorated with neem leaves and a lamp lit on top. She performed the traditional dance and offered prayers to the goddess. Potha Raju was enacted by Karthikeya, who wore a tightly draped red dhoti, bells on his ankles, turmeric anointed on his body and vermillion on his forehead. He danced to the resounding beat of the drums. Parents Ramya and Manjivitha explained the significance of Bonalu. The festival is considered a thanksgiving to the Goddess for fulfilment of wishes. Women prepare rice cooked with milk and jaggery in a new brass or earthen pot adorned with neem leaves, turmeric, vermillion and a lamp on top of the pot. They carry the pots on their heads and make an offering of Bonam along with turmeric-vermillion, bangles and saree to the Mother Goddess in temples. Bonalu involves the worship of Mother Goddess in regional forms like Mysamma, Pochamma, Yellamma, Peddamma, Dokkamma, Ankamma, Poleramma, Maremma, Nookamma, etc.



Pallavi International School Keesara

The Bonalu festival, reflecting the culture of Telangana, was celebrated virtually by Pallavi International School, Keesara. It was a treat to the eyes seeing students beautifully dressed in their traditional attire.

The programme began with a prayer followed by cultural activities by the

students from classes I-VII. The dance performance by one of the students of class IV depicted the Telangana folk culture and tradition. Students decorated mud pots also called 'ghatams'. Few others spoke about the festival and conveyed the message of protecting and preserving the culture for the future generations of the Telangana state.



Understanding commerce the practical way

CLICK HERE TO READ ONLINE

Delhi Public School Nacharam

The much-awaited commerce week was held by Delhi Public School, Nacharam, where everyone participated enthusiastically online. The event was inaugurated by principal Sunitha Rao and senior vice principal Nandita Sunkara. The opening ceremony was marked by a prayer and motivational song.

The commerce week comprised three days of spectacular presentation, dialogue, debate and everything pertaining to Accounting, Business Studies, Economics and Entrepreneurship.

The students' team came up with ideas to showcase their creativity in marketing products and services, com-

munication skills, critical thinking skills by role playing, debating, having class wise quizzes and theme presentations which help in developing business knowledge problem solving skills, business knowledge creativity and skills an entrepreneur should have.

The validation ceremony started off with the release of an e-newsletter after which senior vice-principal Nandita Sunkara and principal Sunitha Rao addressed the audience with their valuable words.

The events and competitions included AdMad, SWOT analysis, quizzes and brand identity. The event concluded with the announcement of winners followed by the vote of thanks.

CELEBRATING FOUNDER'S DAY

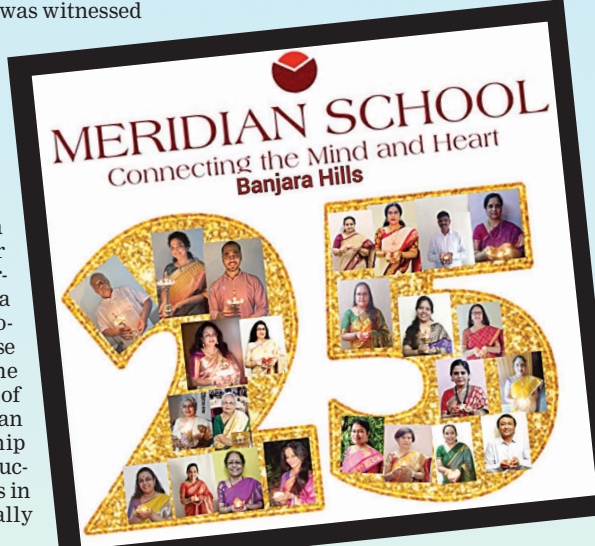
Meridian School for Boys and Girls Banjara Hills

Meridian School for Boys and Girls, Banjara Hills, Hyderabad, held its Silver Jubilee Rajatotsav celebrations recently. A virtual celebration was organised which was witnessed by students, alumni, parents and well-wishers worldwide. The school was founded in 1995 by Neelkanth Butta, managing director, Butta Group of Enterprises and Renuka Butta, former Member of Parliament, and correspondent, Butta Group of Schools. Today, the small enterprise has grown to become the Meridian Group of Schools, with Meridian Banjara as the flagship school, with equally successful sister concerns in Madhapur, Kukatpally and now Uppal.

The online celebration commenced with a traditional lighting of the lamp followed by a classical dance, Ganesh Vandana. The founders congratulated all the members of the school, past and present and stated that they would continue to strive to provide the best possible infrastructure, facilities and environment conducive to experiential learning. Principal D Usha Reddy congratulated the attendees and inspired the students to be positive and

proactive in the face of challenges. She stressed the importance of developing one's spiritual life along with balancing the emotional quotient, in conjunction with intellectual growth and social commitment.

On this historic occasion, vice principal Rahat Rashed, headmistress Rajkamal Matthews,



in-charges G Usha, Sailaja Koduri, Padmashri Madabhushi and Rajata Gora, some senior teachers, members of the newly elected school council including head boy Nikhil Munta and head girl Kritika Jamwal, and some former students shared their elation and their association with the school.

Vignettes and photographic glimpses of Meridian down the years rounded off the programme.



Gitanjali Devashray

Gitanjali Devashray celebrated its 17th Founder's Day and Proficiency Awards with much gusto. The programme, which was conducted online, witnessed the participation of the management, staff, parents and students.

The programme began with the lighting of the lamp and a prayer song followed by a trip down the nostalgic memory lane when founders Uma Karan and Gita Karan started the school. The inspiring address by founder Gita Karan ignited a lot of positivity and motivation amongst all. She acknowledged the contribution of all the stakeholders associated with the school, in making the institution reach such a prestigious place in the arena of educa-

tion. The poem Embracing Glory, composed by class X students Sudhiksha, Vartika and Nimisha, summed up their feelings towards the founders of the institution. The students of pre-primary wing expressed their gratitude with a colourful poster display. 'Deep Jalayer' was a song, which expressed unequivocally the contribution of the founders towards the school. Awards for Best in Academics, Best All-Rounder and Best in Languages, were declared for the previous academic year, much to the delight of the students. The nostalgia of the nascent days of the school was presented through Mustafa Chass, a student from the first batch. 'Taal se Taal Mila' was an energetic dance performance by the students of the primary section. The programme concluded with a vote of thanks followed by the rendition of the national anthem.

Practice to perfect Maths

Jasmitha, class IX, Global Edge School KPHB, Hyderabad

Mathematics is learning about numbers, logic, calculations and how we apply them in our daily lives. It is said that if we learn math, it would be easy to learn all other subjects because math sharpens our brains. Most of the students are scared of math, so they slowly start neglecting it and do not practice

the subject. This becomes a huge problem especially during the time of exams. Students tend to face a lot of pressure to practice in a short time and often it does not work out. So, practicing math at least for 30 minutes

early morning will certainly show a lot of improvement in every single student. This will also boost their confidence to do math and slowly they can start overcoming the fear of the subject and find solutions in a short time. I am sure with regular practice one will start enjoying math.



Painters' Gallery



Shilpa Reddy, class IX A, Global Edge School, Madhapur