



The ACHIEVERS IAS ACADEMY

LANGUAGE - ENGLISH

CURRENT AFFAIR BOOSTER

03 - 08 - 2023

Thursday



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DAILY

CURRENT AFFAIRS

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QUIZ

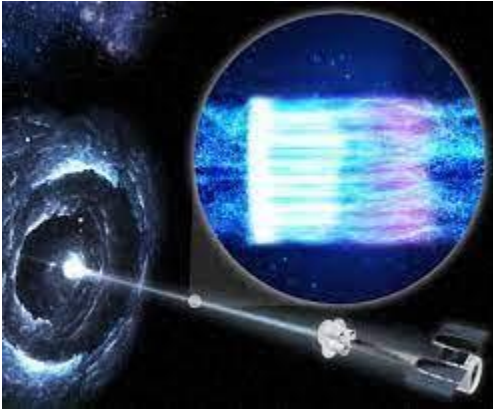


UPSC / BPSC

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1. Markarian 421 Firing High- Energy Particle Jet



Astronomers at the Galactic Research Institute have recently reported an extraordinary phenomenon involving a distant blazar, Markarian 421. This celestial body, which is known to have an active galactic nucleus, has been observed to emit a high-energy particle jet directed towards Earth. NASA's IXPE (X-ray Polarimetry Explorer) has revealed many secrets of the supermassive black hole, Markarian 421. Markarian 421, a supermassive black hole located about 400 million light-years from Earth, emits high-energy particle jets towards Earth. The blazar, located about 400 million light-years away in the constellation Markarian, is known to have an active galactic nucleus, And recent emissions have surprised and surprised scientists. Markarian 421 is a supermassive black hole that is firing jets of high-energy particles aimed directly at Earth. It is located in the constellation Ursa Major. It is about 400 million light-years away from Earth. A supermassive black hole is a very massive object found at the centers of galaxies, where they can grow by swallowing up gas, dust, stars, and planets. They have such a strong gravitational pull that nothing, not even light, can escape it. Their mass can be millions or billions of times more than our Sun. Even light cannot escape it. Their mass can be millions or billions of times more than our Sun. Even light cannot escape it. Their mass can be millions or billions of times more than our Sun.

2. PM: India can become the center of chip making industry



The Prime Minister has inaugurated the 'Semicon India 2023' conclave in Gujarat. This is the second edition of the conference, the first one being held in 2022. To make India a global hub for semiconductor design, manufacturing and technology development that will help advance the vision of the India Semiconductor Mission. India has made huge strides in the electronics manufacturing sector which has grown from \$30 billion to over \$100 billion. India's electronics manufacturing exports have doubled over the years and today there are over 200 mobile manufacturing units. Broadband users in the country have grown from 60 million in 2014 to 800 million. India has identified more than 300 colleges where semiconductor courses will be available. In the next 5 years, we will have over 1 lakh Semcon design engineers.

3. Lithium exploration picks up as soon as the Mining Bill is passed in the Lok Sabha

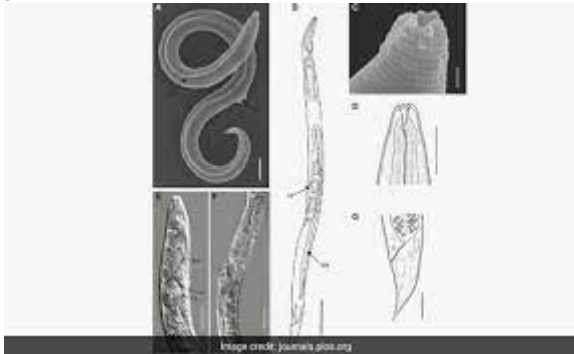


Lok Sabha has approved the Mines and Minerals (Development and Regulation Amendment) Bill, 2023. The Bill amends the Mines and Minerals (Development and Regulation) Act, 1957 which regulates the mining sector. The Bill provides for greater participation of the private sector in mineral exploration and production. The Bill brings lithium out of the list of restrictive nuclear minerals that require mining grants from the Center and licenses only to government companies. This

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will enable the auction of this important mineral, which is used extensively in making batteries for electric vehicles. Important and strategic minerals: The Bill proposes to bring in eight nuclear minerals out of 12, including lithium bearing minerals, zirconium bearing minerals, beach sand minerals, titanium bearing minerals, uranium and thorium rare earth minerals, in a new category - Critical and Strategic Minerals.

4. Insects resurface after 46,000 years in Siberian permafrost



Scientists have revived an insect frozen 46,000 years ago in Siberian permafrost. In 2018, scientists from Russia's Institute of Physicochemical and Biological Problems in Soil discovered two species of microscopic nematodes in Siberian permafrost. These insects have been frozen since the end of the Pleistocene epoch, that is, about 46,000 years ago. After analyzing the specimens, he claimed that at least one belonged to an entirely new species, which he named *Panagrolymus colimanicus*. The scientists revived one worm by rehydrating it with water and took the other worms for further analysis. Many animals such as nematodes, and more famously, tardigrades, can survive in extreme conditions by entering a dormant state called "cryptobiosis". Organisms in the cryptobiotic state can survive in the complete absence of water and oxygen and can withstand other extreme conditions, including heat and cold, in a "state between life and death".

5. 600 million year old river drops found in the Himalayas



Scientists from the Indian Institute of Science (IISc) and Niigata University of Japan have made an amazing discovery by finding water droplets from the Himalayas embedded in rocks. These water droplets are believed to have come from an ancient sea that existed about 600 million years ago. Water droplets found within the minerals have signatures of both sea and freshwater, indicating a chain-reaction caused by a series of complex geological processes that occurred hundreds of millions of years ago. These processes triggered significant changes on Earth, shaping its history and evolution. According to scientific belief, around 700 to 500 million years ago, the Earth was covered during a polar ice age or 'Snowball Earth glaciation'. After this event, the second great oxygenation event occurred, due to which the oxygen level in the Earth's atmosphere increased significantly. This increase of oxygen played an important role in the development of complex life forms.

6. Indian golfer creates history in British Open, tied eighth with American player



Shubhankar Sharma achieved a remarkable feat by achieving the best ever result by an Indian golfer at The Open at the Royal Liverpool Golf Club in Merseyside, England. He finished tied-eighth with Cameron Young of America. Sharma displayed his skill and determination to finish just five strokes behind the leaders with a 68-

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71-70-70. Shubhankar Sharma's top-eight finish at the 151st Open marked the first top-10 finish by an Indian golfer in a major tournament. Prior to this, Anirban Lahiri achieved a Top-5 result in 2015 and Jeev Milkha Singh achieved a T-9 position at the 2008 PGA Championship in Michigan, USA. Jyoti Randhawa previously held the record for the best finish by an Indian golfer at the Open when she finished tied-27th at Royal Troon in 2004. Anirban

7. Byculla Railway Station Receives UNESCO Asia Pacific Cultural Heritage Award



Mumbai's Byculla Railway Station received UNESCO's Asia Pacific Cultural Heritage Award i.e. 24 July, which was announced in November 2022. Byculla Railway Station, which is 169 years old, received the UNESCO Asia-Pacific Award of Merit for Cultural Heritage Restoration and Conservation. Mumbai-based Byculla Railway Station has bagged the prestigious UNESCO Asia Pacific Cultural Heritage Award, the award was announced in November 2022, highlighting the station's significant contribution to cultural heritage conservation. The station received this recognition after extensive restoration work, returning it to its original glory. The project was started by Shaina NC Trustee, I Love Mumbai in memory of her father Nana Chudasama, as part of its CSR initiative with the support of Bajaj Trust Groups and Abha Narayan Lamba Associates. Byculla Railway Station is 169 years old. This railway station is located on the Central Line of the Mumbai Suburban Railway. The restoration project began in July 2019, with the aim of bringing the station back to its original architectural glory. Byculla station now represents a blend of history and heritage while offering modern amenities.

8. The heaviest rain in the history of 140 years in China



Rain in China has broken the record of 140 years. In the last five days, 744.8 mm or 29.3 inches of rain has been recorded in Beijing. These rains are being caused by Typhoon Doksuri. Earlier in 1891, there was a record of 609 mm of rainfall in consecutive days. According to reports, 21 people have died, while 26 are missing. Roads have been damaged. Power supply has also been affected. The areas most affected by rainwater are Beijing and Hebei Province. Thousands of people have been shifted to shelters. Meanwhile, a typhoon has hit Okinawa, the southwest province of Japan. It is expected to recurve westwards towards the East China Sea. Along with this, it is expected to turn north-east from East China Sea towards Kyushu, an important island of Japan. China suffered its deadliest floods in modern times in the summer of 1998. When floods along the Yangtze River and other waterways in the northeast killed more than 4,000 people and left an estimated 15 million people homeless. In 2021, floods killed more than 300 people in Zhengzhou city and the surrounding province of Henan.

QUIZ

1. When has 'National Mountain Climbing Day' been celebrated recently?

- a. July 29
- b. 30 July
- c. 31 July
- d. August 1st

National Mountain Climbing Day is celebrated every year on August 1 by the enthusiastic citizens of the United States of America. This special day commemorates the remarkable achievement of Bobby Matthews and Josh Madigan, National Mountain Climbing Day was established in 2015 after the successful ascent of the final summit of the Adirondack Mountains by Matthews and his partner, Madigan.

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2. Which mobile application was launched by the government to promote basic literacy?

- a. Shiksha
- b. harsh
- c. Ullas
- d. None

Akhil Bharatiya Shiksha Samagam 2023 on the third anniversary of NEP 2020 was inaugurated by PM Modi in New Delhi. On this occasion, Union Minister Dharmendra Pradhan launched the logo, slogan – Jana Jana Sakshar and mobile application of “ULLAS: New India Literacy Programme” . Ullas mobile application is a significant step towards harnessing the potential of technology to make basic literacy widely accessible.

3. Recently won the WTA title in Warsaw?

- a. yamini wickmeyer
- b. inga switek
- c. Laura Siegemund
- d. None

Inga Swiatek accomplished a significant feat by claiming her fourth WTA title of the year. The Polish tennis player dominated the final to beat Germany's Laura Siegemund in a stunning 6-0, 6-1 scoreline in just 68 minutes, conceding no break points to her opponents during the match. Before reaching the final, she overcame a challenging semi-final match against Yanina Wickmayer of Belgium, winning 6–1, 7–6 (8–6).

4. Recently who will get 100 e-buses under Smart City Project Limited?

- a. Jammu
- b. Shimla
- c. Jaipur
- d. none

In a significant step towards promoting sustainable transport, Jammu, the winter capital of the Union Territory of Jammu and Kashmir, is getting ready to welcome a fleet of 100 e-buses in August. The initiative comes under the Smart City Project Limited and aims to reduce carbon emissions while promoting a cleaner environment. The e-buses supplied by Tata Limited are set to make a substantial impact on the city's public transport system. Of the 100 e-buses, 75 (9-metre models) will be deployed within Jammu city, while the remaining 25 (12-metre) vehicles will

operate outside Jammu district. The full fleet is expected to arrive in the coming days.

5. When is the International Day for Conservation of Mangrove Ecosystem celebrated every year?

- a. July 20
- b. July 22
- c. 21 July
- d. July 26

International Day for Conservation of Mangrove Ecosystem is observed annually on 26 July. It aims to enhance global understanding of the importance of mangrove ecosystems as unique, precious and fragile environments. The day seeks to advocate for sustainable practices in the management, protection and use of these ecosystems. The General Conference of UNESCO officially adopted this International Day in 2015.

6. Recently Lok Sabha Speaker Om Birla has inaugurated the new assembly building of which state?

- a. Assam
- b. Karnataka
- c. Andhra Pradesh
- d. None

Lok Sabha Speaker Om Birla inaugurated the new Assam Legislative Assembly building. On this occasion, Om Birla said, “The building of any State Legislative Assembly is not just a building. This is the temple of our democracy. Sitting in this temple, we work only for public welfare. Spread over 10 acres of land, the new assembly complex consists of the main building, which will have houses and annexe buildings for administrative and other sections.

7. 'Dr. Who has released the book APJ Abdul Kalam: Memories Never Die ?

- a. Yogi Adityanath
- b. Rajnath Singh
- c. Anurag Thakur
- d. Amit Shah

The Union Home Minister and Cooperation Minister, Shri Amit Shah inaugurated the 'Dr. Released the book ' APJ Abdul Kalam: Memories Never Die ' . Union Home Minister visited Dr. APJ Abdul Kalam's house, Mission of Life Gallery Museum and Dr. APJ Abdul Kalam National Memorial. The book is an English translation

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of the Tamil book *Ninaivugaalukku Maranamillai* .
A.P.J. Two close people of Abdul Kalam, his niece Dr.
Nazema Maraikyar and eminent ISRO scientist Dr. Y.S.
Rajan, who was a close confidant of Kalam.

8. Recently the Chief Minister of which state has
inaugurated 'Chief Minister Command Center ' and
'CM Dashboard ' .

- a. Assam
- b. Karnataka
- c. Andhra Pradesh
- d. Uttar Pradesh

Chief Minister Yogi Adityanath inaugurated 'Chief
Minister Command Centre ' and 'CM Dashboard ' at Lal
Bahadur Shastri Bhawan (Annex) in Lucknow on July
30, with an aim to ensure the benefits of government
schemes and services reach the needy and deserving.

ONE LINER

Recently who has been given the additional charge of
Secretary, Department of Telecom - **Apoorva Chandra**
Who has released the book ' Dr. APJ Abdul Kalam:
Memories Never Die ' - **Amit Shah**

Recently which state government will take the water
of swollen rivers to the dry fields - **Uttar Pradesh**

Where has Smriti Irani recently inaugurated the G20
EMPOWER Summit – **Gandhinagar**

Who has recently inaugurated its first floating store on
Dal Lake - **Amazon India**

Recently which university has signed MoU with
American universities - **University of Mumbai**

Ministry of Education and which ministry has signed
106 MoUs with various reputed organizations and
institutes in New Delhi - **Ministry of Skill Development
and Entrepreneurship**

Tripura's 'Asmita Dey ' has won which medal in "Junior
Asian Judo Championships 2023" - **Gold medal**

Harmanpreet Kaur has been suspended for how many
international matches for breaching the code of
conduct – **two international matches**

Who has won the 4th ATP Challenger Title by winning
Tampere Open 2023 – **Sumit Nagal**