

Top 10 Current Affairs Questions of Today - August 21, 2025

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Our daily current affairs are perfect for busy people who want to stay up-to-date on the latest events. They are short, engaging, and easy to understand, and they cover a wide range of topics, from politics and business to sports and entertainment.

Today's blog will be on the current affairs of 21st August 2025. So, check out the current affairs and stay up-to-date. You can download PDF also for current affairs today.

Let's check this news about (Indian Cinema Festival) . Then, we will move ahead

Six-Day Indian Cinema Festival Kicks Off in Sri Lanka

A six-day Indian cinema festival has commenced in Sri Lanka, aiming to strengthen cultural ties and people-to-people connections between the two nations. The festival, which opened at the Trincomalee Campus of Eastern University, is showcasing a curated selection of six Indian films in various languages. Inaugurated by Governor of the Eastern Province, Prof. Jayantha Lal Ratnasekera, the event is a collaborative effort to highlight the diversity and rich history of Indian cinema, celebrating its 111-year journey. The festival serves as a platform for cultural exchange through the powerful medium of film.



[Image Source: BBC News]

AI-Designed Antibiotics Combat Drug-Resistant Superbugs

Artificial intelligence (AI) has recently enabled scientists from MIT to create two new antibiotics capable of killing drug-resistant bacteria. Using generative AI algorithms, the research team designed more than 36 million possible compounds and identified two promising candidates, named NG1 and DN1. These new antibiotics are structurally distinct from any existing drugs and combat bacteria by novel mechanisms, making them effective against infections like drug-resistant gonorrhoea and MRSA. This breakthrough, published in the journal Nature, marks a significant advancement in the global

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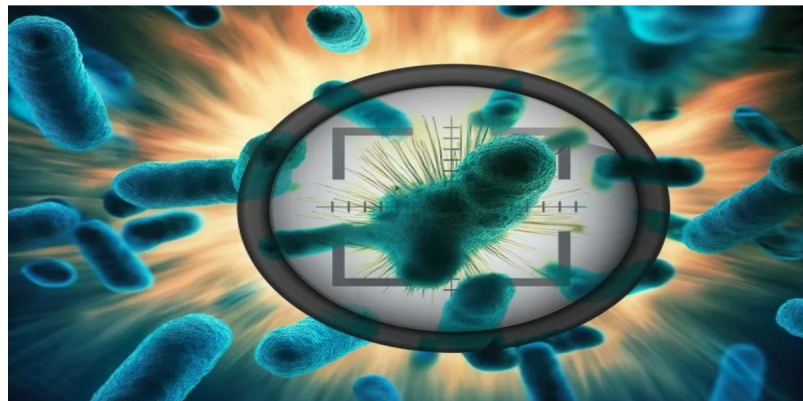
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[Image Source: Mint]

Region-Specific Antivenoms

Snakebite envenoming remains a critical health challenge in India, especially in regions where the standard polyvalent antivenom is less effective. Recent calls from herpetologists and health experts emphasise the urgent need for region-specific antivenoms. The current national antivenom is made from the venom of the 'Big Four' snakes—the Indian cobra, common krait, Russell's viper, and saw-scaled viper—but is less effective in states like Assam and other parts of the Northeast, where bites from other species like the monocled cobra and green pit vipers are more common. The government is now considering a proposal to establish regional venom centres to address this gap.



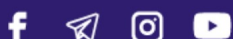
[Image Source: Wikipedia]

Primary Amoebic Meningoencephalitis Cases in Kerala

Kerala's Kozhikode district recently reported three consecutive cases of primary amoebic meningoencephalitis (PAM), a rare but highly fatal brain infection. One victim, a nine-year-old girl, succumbed to the illness, while two others, a three-month-old infant and a 40-year-old man, remain critically ill. Health officials confirmed that the infection is caused by the "brain-eating amoeba" *Naegleria fowleri*, which enters the body through the nose, typically from contaminated freshwater bodies. The district administration has issued a public health advisory to avoid bathing or swimming in stagnant water sources to prevent further cases.

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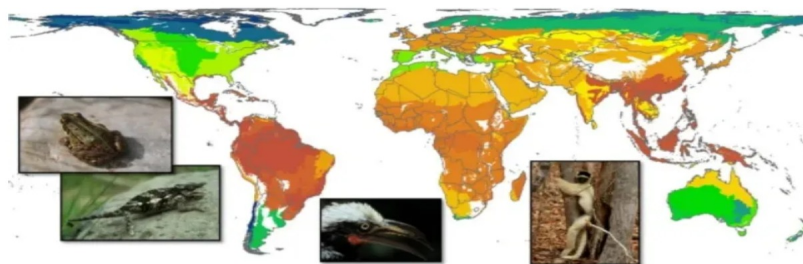




[Image Source: Wikipedia]

Universal Rule of Biodiversity Patterns Discovered Globally

Recent research has revealed a universal pattern in how biodiversity arranges itself within the world's major biogeographical regions. Published in the journal Nature Ecology & Evolution, the study demonstrates that species distribution follows an "onion-like" layered model. This model shows dense and unique biodiversity at the core of a region, which then grades outward into porous, mixed margins with more common species. This discovery challenges earlier assumptions that species distribution inside each region was random and chaotic, providing a new, predictable framework for global conservation strategies.



Global patterns of terrestrial vertebrate diversity analysed in the study. Each of the 32 bioregions is coloured by its vertebrate species richness (amphibian, reptile, bird, mammal richness combined; dark green represents the lowest values and dark red represents the highest values) (Jetz & Fine, 2012)

[Image Source: India Today]

Native Plants Alter Assam's Dibru-Saikhowa Ecosystem

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The riverine ecosystem of Dibru-Saikhowa National Park (DSNP) in eastern Assam is undergoing significant changes. A recent study reveals that native plants, particularly trees like *Bombax ceiba* (Simalu) and *Lagerstroemia speciosa* (Ajar), are proliferating and transforming the park's grasslands into forests. This is happening in conjunction with the spread of invasive species and accelerated by recurrent floods from the Brahmaputra River. This transformation poses a serious threat to the park's unique biodiversity, especially to its population of feral horses and other grassland-dependent species like the Bengal florican.



[Image Source: India Today]

Veterinary Blood Transfusion Guidelines

The Government of India is advancing veterinary healthcare by proposing standardised guidelines for blood transfusion and blood banking in animals. The Department of Animal Husbandry & Dairying, under the Ministry of Fisheries, Animal Husbandry and Dairying, has released a draft Standard Operating Procedure (SOP) to formalise these practices, which are currently unregulated and inconsistent. The move aims to improve emergency and critical care for the country's vast livestock and companion animal population, establishing criteria for donor animals and setting up a coordinated national network of blood banks.



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[Image Source: India Today]

India's Sustainable Aviation Fuel Production to Start at Panipat

India is set to begin commercial production of sustainable aviation fuel (SAF) at its Panipat refinery in Haryana by December 2025. Indian Oil Corporation (IOC), the country's largest fuel refiner and retailer, announced that the new unit will have an annual capacity of 35,000 tonnes. This output is sufficient to meet India's entire SAF blending requirement for international airlines by 2027, when a 1% blending mandate is expected to come into force. The production will utilize used cooking oil (UCO) as its primary feedstock, marking a significant step towards a greener aviation sector.



[Image Source: Mint]

Bering Strait Shipping Cooperation Amid Political Strains

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Recent research reveals that mariners navigating the Bering Strait are largely adhering to the 2018 shipping guidelines, established through a joint U.S.-Russia initiative under the International Maritime Organisation (IMO). The study, which analyzed vessel transit data, shows that ships are consistently using the recommended lanes and avoiding sensitive ecological zones. This continued cooperation is particularly significant given the current political strains between the U.S. and Russia. It suggests that despite diplomatic tensions, both nations recognize the need to cooperate on shared issues of environmental protection and navigational safety in the strategically important Arctic waterway.



[Image Source: BBC News]

Over 500 Humanoid Robots Compete at World Robot Games in Beijing

The world's inaugural World Humanoid Robot Games kicked off in Beijing, bringing together over 500 humanoid robots from 16 countries. The three-day event, held at the National Speed Skating Oval, features a range of competitions that test the robots' speed, skill, and dexterity. From athletics events like the 100-metre hurdles and a 1500-metre race to practical tasks like medicine categorization, the games are a testament to the rapid advancements in robotics and AI. The event, a first of its kind to focus exclusively on human-like robots, highlights China's ambition to lead the global robotics industry.



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[Image Source: BBC News]

comment below your score, considering each question has 1 mark only. If you scored 8 to 10, congratulations! You are one step closer to selection. If you have scored 5 to 8 marks, then you are doing well, keep it up. If you have scored less than 5 marks then you need to work a little harder on this subject. But don't worry, we are here to help you master the subject.

Keep trying! We will meet again with another set of questions in daily current affairs quiz.