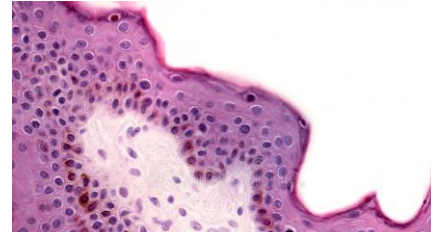


1. What kind of disease is Vitiligo?

- A. Skin disorder
- B. Heart disease
- C. Rare disease
- D. Genetic disorder



- ✓ **A new Kannada film aims to reduce the stigma around vitiligo, a chronic skin disorder often misunderstood in India. Vitiligo occurs when melanocytes, which produce skin pigment, are destroyed, leading to depigmented patches on the skin, hair, and mouth. The exact cause is unclear but may involve autoimmune responses, genetic factors, and environmental triggers like trauma or sunburn. It can develop at any age but is most common before 30 and affects 0.5 to 2 percent of the global population, with around 100 million people living with the condition.**

2. Which day is observed as Police Commemoration Day every year?

- A. October 20
- B. October 21
- C. October 22
- D. October 23



- ✓ **India observes Police Commemoration Day on October 21 to honor the policemen who died in a 1959 ambush by Chinese troops at Hot Springs, Ladakh. The day recognizes the bravery and sacrifice of police personnel protecting the nation. On October 21, 1959, Indian policemen on a reconnaissance mission were attacked by Chinese forces, resulting in several deaths. The day was officially designated in January 1960 during the Annual Conference of Inspectors General of Police.**

3. Where was the 12th edition of Joint Military Training (JTM) exercise between the India and Singapore conducted?

- A. Air Force Station Bidar, Karnataka
- B. Air Force Station Kalaikunda, West Bengal
- C. Air Force Station Begumpet, Telangana
- D. Air Force Station Jodhpur, Rajasthan



- ✓ **On October 21, 2024, the Indian Air Force (IAF) and Republic of Singapore Air Force (RSAF) started the 12th Joint Military Training (JMT) exercise at Air Force Station Kalaikunda, West Bengal. The bilateral phase will run from November 13 to 21, 2024, focusing on advanced air combat simulations and joint mission planning.**
- ✓ **This phase aims to improve interoperability and combat readiness while promoting knowledge exchange. RSAF is sending its largest contingent yet, including aircrew and support for F-16, F-15,**

G-550 AEW&C, and C-130 aircraft. The IAF will use Rafale, Mirage 2000, Su-30 MKI, Tejas, MiG-29, and Jaguar aircraft.

4. Recently, where was the 15th ITU Kaleidoscope Academic Conference held?

- A. New Delhi
- B. Gurugram
- C. Indore
- D. Jaipur



- ✓ The 15th ITU Kaleidoscope Academic Conference began on 21 October at Bharat Mandapam, New Delhi. ITU Kaleidoscope 2024 is an international conference organized by the International Telecommunication Union (ITU). It fosters dialogue between academics, researchers, and industry in information and communication technologies (ICT) to promote innovation and collaboration.
- ✓ The event gathered global researchers, industry leaders, and policymakers to explore ICT solutions and discuss emerging trends. The focus is on future technologies that impact global communication networks and standardization. The theme of the conference is "Innovation and Digital Transformation for a Sustainable World."

5. Recently, a new orchid species named *Crepidium assamicum* was discovered in which national park of Assam?

- A. Orang National Park
- B. Manas National Park
- C. Dibru-Saikhowa National Park
- D. Manas National Park



- ✓ A new orchid species, *Crepidium assamicum*, was discovered in Dibru Saikhowa National Park, Assam. The discovery was made by Dr Jintu Sarma and Khyanjeet Gogoi, known as the "Orchid Man of Assam." *Crepidium assamicum* belongs to the genus *Crepidium*, increasing India's total species count to 19 and the global total to 281. Globally, there are around 27,000 orchid species, with India home to about 1,265 and Northeast India hosting 800. Assam alone has about 414 species of orchids.

6. What is the rank of India in the Economic Freedom Report, 2024?

- A. 34th
- B. 65th
- C. 74th
- D. 84th

84

- ✓ The Fraser Institute released the 2024 Economic Freedom of the World Report, ranking 165 countries based on economic choice. The top 5 most-economically free countries were Hong Kong, Singapore, Switzerland, New Zealand, and the United States. India ranked 84th in the report. The report uses 42 variables, including government size, property rights, monetary policy, and trade freedom.

7. Where was the Namo Bharat Diwas celebrated recently?

- A. Chennai
B. New Delhi
C. Coimbatore
D. Hyderabad



- ✓ The first anniversary of Namo Bharat Trains was celebrated as Namo Bharat Diwas in New Delhi. Namo Bharat Trains are India's first Regional Rapid Transit System (RRTS). The first 17-kilometer section between Sahibabad and Duhai Depot was inaugurated by PM Narendra Modi on 20 October 2023. Two more sections became operational, including Duhai to Modinagar North (March 2024) and Meerut South (August 2024). The current 42-kilometer corridor covers nine stations. RRTS offers high-speed, efficient suburban connectivity, promoting sustainable urban transport solutions.

8. Which Indian recently won the silver medal at the Archery World Cup Final 2024?

- A. Deepika Kumari
B. Bombayla Devi
C. Parneet Kaur
D. Muskan Kirar



- ✓ Four-time Olympian Deepika Kumari won a silver medal in the women's recurve event at the 2024 Archery World Cup Final in Tlaxcala, Mexico. She lost 6-0 to Chinese archer Li Jiaman in the final. Li Jiaman was part of the Chinese archery team that won silver at the Paris 2024 Olympics. The 18th Archery World Cup Final was organized by World Archery and took place on 19-20 October 2024 in Tlaxcala, Mexico.

9. Which city in India recently witnessed bioluminescent waves?

- A. Chennai
B. Kanyakumari
C. Thiruvananthapuram
D. Kozhikode



- ✓ Chennai recently witnessed bioluminescent waves; a natural phenomenon caused by marine organisms like dinoflagellates.

- ✓ These microscopic plankton emit light at night, visible on the ocean surface. Bioluminescence is common among many marine animals such as jellyfish, fish, and algae, used for evading predators, attracting prey, or mating. It occurs when the enzyme luciferase reacts with luciferin in the presence of oxygen. This phenomenon is often visible in warm weather and low light.

10. Recently, which country was officially declared malaria free by the World Health Organization?

- A. Cuba
- B. India
- C. Kenya
- D. Egypt



- ✓ Egypt was officially declared malaria-free by the World Health Organization (WHO). Malaria is caused by Plasmodium parasites, spread through the bites of infected female Anopheles mosquitoes. It is life-threatening but not contagious and mainly found in tropical regions.
- ✓ Five parasite species cause malaria, with Plasmodium falciparum and Plasmodium vivax being the most dangerous. Symptoms like fever, headache, and chills start 10–15 days after the mosquito bite. Some people in malaria-endemic areas may be infected but show no symptoms. Vector control is the key method for preventing malaria and reducing transmission.

11. Which day is observed as World Iodine Deficiency Day every year?

- A. October 21
- B. October 22
- C. October 23
- D. October 24



- ✓ World Iodine Deficiency Day is observed on 21st October to raise awareness about the importance of iodine for health. Iodine is essential for producing thyroid hormones (T3 and T4), which regulate metabolism and support fetal and infant development. It is found in foods and iodized salt, mainly absorbed in the stomach as iodide and used by the thyroid.

12. Recently, the Prime Minister of India inaugurated a new airport in which district of Uttar Pradesh under the UDAN scheme?

- A. Raebareli
- B. Saharanpur
- C. Mirzapur
- D. Meerut



- ✓ PM Narendra Modi inaugurated three airports under the Regional Connectivity Scheme (RCS) – UDAN (Ude Desh Ka Aam Nagrik) from Varanasi: Rewa (MP), Ambikapur (Chhattisgarh), and Saharanpur (UP). Flights will soon operate from these airports under the RCS-UDAN scheme.
- ✓ RCS-UDAN aims to improve connectivity in remote and underserved regions, launched in 2016 under India's National Civil Aviation Policy. The first RCS-UDAN flight, Shimla to Delhi, began in 2017. The scheme has facilitated travel for over 144 lakh passengers, boosting air travel accessibility across India.

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