

1. Which institution recently unveiled the SARTHI System?

- A. National Institute of Food Technology Entrepreneurship and Management, Kundli (NIFTEM-K)
- B. IIT, Delhi
- C. Indian Council of Agricultural Research (ICAR)
- D. National Horticulture Board



- ✓ **The National Institute of Food Technology Entrepreneurship and Management (NIFTEM-K) has launched the Solar Assisted Reefer Transportation with Hybrid Controls and Intelligence (SARTHI) system. The objective is to reduce post-harvest losses in transporting perishable foods.**
- ✓ **SARTHI containers have dual compartments to store fruits and vegetables, accommodating different temperature and humidity needs. It integrates Internet of Things (IoT) technology for real-time monitoring. Sensors track temperature, humidity, ethylene, and CO2 levels, sending data to a mobile app for quality assessment. This helps transporters make informed decisions, like rerouting produce to closer markets if spoilage is detected.**

2. Indo-Turkiye Friendship Association has been launched in which city?

- A. Mumbai
- B. Hyderabad
- C. Chennai
- D. Kolkata



- ✓ **The Indo-Turkiye Friendship Association (ITFA) was launched in Hyderabad on October 16, 2024, to strengthen India-Turkiye relations. ITFA aims to enhance cooperation in economy, trade, culture, tourism, science, technology, and education. A key objective is promoting Hyderabad as a major destination for Turkish tourists. The launch coincides with notable historical milestones: 300 years of the Nizams of Hyderabad and 100 years since the Ottoman Sultanate's abolition. The initiative is expected to boost bilateral ties across multiple sectors between the two countries.**

3. Which organization recently published the World Energy Outlook 2024 report?

- A. International Energy Agency (IEA)
- B. World Bank
- C. International Monetary Fund (IMF)
- D. United Nations Development Programme (UNDP)



- ✓ **India is expected to see the highest increase in energy demand globally over the next decade, as per the World Energy Outlook 2024. The report is published by the International Energy Agency (IEA) and provides key energy trends and projections.**

- ✓ **Low-emission energy sources are projected to generate over half of the world's electricity by 2030. India's total energy demand will rise by 35% by 2035, with coal use in industry increasing by 50%. Coal-based electricity generation will grow by 15%.**

4. Where was the AROHA-2024 conference inaugurated?

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



- ✓ **Chief Justice of India (CJI) DY Chandrachud inaugurated the AROHA-2024 conference in New Delhi, focusing on advancements in Ayurveda. The three-day event aims to establish Ayurveda as a key pillar of global health and wellness. CJI emphasized the importance of Ayurveda in medicine. The government plans to open ten new Ayurveda centers to meet rising demand. The conference will cover various topics, including quality control, standardization & globalization of Ayurveda.**

5. What is the name of campaign recently launched by Meta to combat rising online scams in India?

- A. Scam se Bacho
- B. Surakshit Bharat
- C. Safety First
- D. Mentor Meta



- ✓ **Meta launched the 'Scam se Bacho' campaign in collaboration with the Indian government to educate citizens on online safety. This initiative addresses the rising threat of cyber frauds, which reached 1.1 million cases in 2023. With over 900 million Internet users, India's digital growth under the Digital India initiative has been remarkable but comes with increased risks. The campaign seeks to empower citizens with knowledge and tools to protect themselves, reflecting a whole-of-government approach to enhancing digital security.**

6. Hoolongapar Gibbon Sanctuary is located in which state?

- A. Sikkim
- B. Assam
- C. Mizoram
- D. Nagaland



- ✓ **The National Board for Wildlife has postponed approval for oil exploration in Assam's Hoolongapar Gibbon Sanctuary. This sanctuary is home to the Hoolock Gibbon, the only apes found in India. There are two types of Hoolock Gibbons: the western hoolock gibbon (Hoolock hoolock) and the eastern hoolock gibbon (Hoolock leuconedys).**

- ✓ The western hoolock gibbon has a wider range, found in all northeastern states. The eastern hoolock gibbon is located in specific areas of Arunachal Pradesh and Assam.

7. Which two organizations jointly published the Global Multidimensional Poverty Index (MPI) report?

- A. UN Development Programme (UNDP) and Oxford Poverty and Human Development Initiative (OPHI)
- B. World Bank and International Monetary Fund (IMF)
- C. UN Children's Fund (UNICEF) and World Health Organization (WHO)
- D. International Labour Organization (ILO) and World Trade Organization (WTO)



- ✓ The Global Multidimensional Poverty Index (MPI) 2024 is published by United Nations Development Programme (UNDP) and Oxford Poverty and Human Development Initiative (OPHI). The report focuses on the theme "Poverty Amid Conflict," linking poverty data with violent conflict. Countries at war show higher deprivation across all 10 MPI indicators compared to non-conflict countries. 1.1 billion people (~18%) in 112 countries live in acute multidimensional poverty.
- ✓ India has the largest number of people in extreme poverty at 234 million. MPI measures poverty across education, health, and living standards. India introduced its National MPI (NMPI) in 2021, adding Maternal Health and Bank Account as indicators.

8. Which state government has renamed all Scheduled Tribe residential schools to Maharishi Valmiki Residential Schools?

- A. Tamil Nadu
- B. Kerala
- C. Karnataka
- D. Uttar Pradesh



- ✓ On Valmiki Jayanti, Karnataka Chief Minister Siddaramaiah announced that all Scheduled Tribe residential schools and Raichur University will be named after Maharishi Valmiki. Siddaramaiah praised Maharshi Valmiki's journey from being a hunter to becoming a scholar and authoring the Ramayana. He highlighted Valmiki's emphasis on equality, justice, and equal opportunities for all.

9. What is the primary objective of the 'Karmayogi Saptah', recently inaugurated by Prime Minister of India?

- A. Improve the technology sector
- B. Bolster individual and organizational capacity development for civil servants
- C. Promote cultural heritage
- D. Increase international relations with Russia



- ✓ Prime Minister Narendra Modi inaugurated the 'Karmayogi Saptah' or National Learning Week at Dr. Ambedkar International Centre in New Delhi. The initiative aimed to strengthen individual and organizational capacity development for civil servants.
- ✓ Launched in September 2020, Mission Karmayogi focused on creating a future-ready civil service with Indian values and a global outlook. National Learning Week promoted a unified "One Government" approach and lifelong learning. Ministries and organizations held seminars and workshops to enhance skills for citizen-centric service delivery.

10. Which two places are connected by the Shetkari Samruddhi Special Train, recently inaugurated by Union Railway Minister?

- A. Tamil Nadu – Uttar Pradesh
- B. Maharashtra – Bihar
- C. Rajasthan – Madhya Pradesh
- D. Karnataka – Odisha



- ✓ Union Railways Minister Ashwini Vaishnaw flagged off the Shetkari Samruddhi Special Train via video conferencing. The train connected Devlali in Maharashtra to Danapur in Bihar. Its purpose was to help farmers transport perishable goods to new markets at a low cost. The train featured small parcel vans for easy and safe transport of perishable items.

11. Employees Deposit Linked Insurance (EDLI) Scheme is administered by which organization?

- A. Life Insurance Corporation (LIC)
- B. Employees Provident Fund Organisation (EPFO)
- C. National Pension System (NPS)
- D. Ministry of Labour and Employment



- ✓ The Centre has extended benefits of the Employees' Deposit Linked Insurance (EDLI) Scheme for EPFO subscribers and their families until further notice. EDLI was launched in 1976 to provide social security benefits to private-sector employees. The scheme is managed and administered by Employees Provident Fund Organisation (EPFO) and offers term life insurance to employees. It covers organizations registered under the EPF and Miscellaneous Provisions Act, 1952. EDLI works with EPF and the Employees' Pension Scheme (EPS). The benefit amount depends on the employee's last drawn salary. The nominee receives a lump-sum if the EPF member dies during service.

12. What is the name of celestial object that was recently discovered to be a pair of brown dwarfs orbiting each other?

- A. Gliese 229B
- B. TRAPPIST-1
- C. Pallas 35
- D. Juno



- ✓ Scientists have discovered that Gliese 229B, found 30 years ago, is actually twin brown dwarfs orbiting each other. Brown dwarfs are called "failed stars" as they are lighter than stars but heavier than gas giant planets. They are larger than planets like Jupiter but smaller than stars. Brown dwarfs gather material like stars, not planets, and have hot clouds, possibly made of silicates. They retain lighter elements like hydrogen and helium. Lacking enough mass to burn nuclear fuel, they don't radiate starlight.

13. Which organization hosted the first-ever International Festival on Indian Dance?

- A. Sangeet Natak Akademi
- B. National School of Drama
- C. Lalit Kala Akademi
- D. Ministry of Culture



- ✓ The Sangeet Natak Akademi hosted its first International Festival on Indian Dance, featuring global artists. The six-day event was held at NASC Complex, New Delhi, celebrating India's rich dance traditions. The festival promotes cultural exchange and showcases Indian dance forms to artists, scholars, and students. It highlights dance's importance in India's cultural heritage and its role in engaging the youth.

14. Recently, where was the national conference on the 'Rights of Older Persons' organized?

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



- ✓ The National Human Rights Commission (NHRC) organized a function and national conference on the rights of older persons for its 31st Foundation Day at Vigyan Bhawan, New Delhi. The NHRC was established on 12th October 1993. Vice President of India, Shri Jagdeep Dhankhar, was the Chief Guest. He stated that India's human rights record is unmatched, especially for minorities, marginalized, and vulnerable groups. The growing ageing population presents both opportunities and challenges.

15. Recently, where was the Sagar Kavach exercise held?

- A. Visakhapatnam
- B. Chennai and Lakshadweep
- C. Gujarat and Daman & Diu
- D. Goa



- ✓ The Indian Coast Guard conducted the coastal security exercise 'Sagar Kavach' on October 16-17 in Gujarat and Daman & Diu. This was the second edition of the exercise this year, coordinated by the Coast Guard Regional Headquarters in Gandhinagar.
- ✓ The exercise aimed to enhance maritime and coastal security and validate existing Standard Operating Procedures (SOPs). Various stakeholders participated, including the Indian Navy, State Police, Marine Police, BSF, NSG, Gujarat Maritime Board, IB, and port authorities.

16. Which ministry hosted the Lighthouse Tourism Conclave 2024 in Puri?

- A. Ministry of Tourism
- B. Ministry of Defence
- C. Ministry of Ports, Shipping, and Waterways
- D. Ministry of Home Affairs



- ✓ The 2nd National Lighthouse Festival began with the Lighthouse Tourism Conclave 2024 in Puri, hosted by the Ministry of Ports, Shipping, and Waterways (MoPSW). Over 100 participants, including government officials, tourism experts, and conservationists, attended. The event focused on promoting lighthouse tourism and preserving maritime heritage.
- ✓ The aim is to transform 75 historic lighthouses into tourist sites with modern amenities like museums and parks. The initiative also aims to conserve these lighthouses, generate local employment, and boost the economy. Around ₹65 crore has been invested in 75 lighthouses across 9 coastal states and 1 Union Territory.

17. Where was the 16th Conference of Parties (COP16) to the Convention on Biological Diversity started?

- A. Chennai, India
- B. Cali, Colombia
- C. Moscow, Russia
- D. Paris, France



- ✓ The 16th Conference of Parties (COP16) to the Convention on Biological Diversity (CBD) started in Cali, Colombia. The CBD has 196 contracting parties and is the most comprehensive binding international agreement on nature conservation. It was opened for signing at the 1992 UN Conference on Environment and Development in Rio de Janeiro.
- ✓ The CBD aims to conserve biological diversity, promote sustainable use, and ensure fair sharing of benefits from genetic resources. The governing body, the COP, meets every two years to review progress and set priorities. The Secretariat is located in Montreal, Canada, and supports implementation through the Cartagena and Nagoya Protocols.

18. The Soliga Tribe primarily resides in which states?

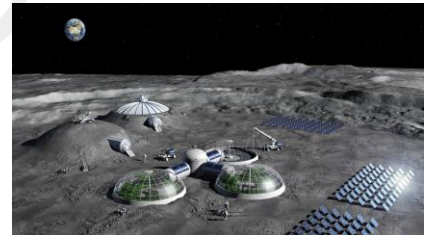
- A. Tamil Nadu and Karnataka
- B. Manipur and Nagaland
- C. Gujarat and Rajasthan
- D. Bihar and Jharkhand



- ✓ Clean drinking water is a major challenge for Soliga tribes in Chamarajanagar district, Karnataka. The Soliga are indigenous forest dwellers in Tamil Nadu and Karnataka, known as "children of bamboo" due to their deep connection with nature. They live near Biligiri Rangana Hills and Male Mahadeshwara Hills. Soligas were the first tribal community in a tiger reserve to get forest rights legally recognized. According to the 2011 Census, their population is about 33,871 in Karnataka and 5,965 in Tamil Nadu. They speak Sholaga, Tamil and Kannada.

19. Which space agency has launched the Moonlight Lunar Communications and Navigation Services (LCNS) programme?

- A. NASA
- B. ISRO
- C. ESA
- D. CNSA



- ✓ The European Space Agency (ESA) launched the Moonlight Lunar Communications and Navigation Services (LCNS) programme. It aims to support over 400 planned lunar missions by space agencies and private companies in the next 20 years. The Moonlight programme will deploy a constellation of about five lunar satellites. These satellites will provide accurate autonomous landings, high-speed communication, and surface mobility on the Moon. The satellites will enable data transfer over a distance of 4,00,000 km (2,50,000 miles) between Earth and the Moon.

20. What is the name of the exercise recently conducted by the Sudarshan Chakra Corps at Jhansi?

- A. SWAVLAMBAN SHAKTI
- B. RAHAT
- C. SHAKTI
- D. YUDH ABHYAS



- ✓ The 'Exercise SWAVLAMBAN SHAKTI' is conducted by the Sudarshan Chakra Corps at Babina Field Firing Ranges near Jhansi. This exercise focuses on integrating niche and emerging technologies into the Indian Army's offensive strategies. It involves approximately 1,800 personnel and showcases over 50 new technology equipment from more than 40 industry partners, including advanced drones and robotic systems. The aim is to enhance combat readiness and foster collaboration between the Indian Army and the defence industry, boosting indigenous defence manufacturing capabilities.

21. Which day is observed as World Statistics Day?

- A. October 19
- B. October 20
- C. October 21
- D. October 22



- ✓ **World Statistics Day is celebrated on October 20th every five years. The United Nations Statistical Commission created the day to raise awareness of the importance of statistics in social and economic life. The United Nations General Assembly established the event, with the first celebration on October 20, 2010. The day emphasizes the crucial role of accurate and timely data in tackling global challenges and achieving sustainable development goals.**

22. Which shipyard is responsible for building the Next Generation Missile Vessels in India?

- A. Cochin Shipyard Limited
- B. Hindustan Shipyard Limited
- C. Mazagon Dock Shipbuilders
- D. Garden Reach Shipbuilders



- ✓ **Engine manufacturer General Electric has announced that its LM2500 marine engines will power the Indian Navy's Next Generation Missile Vessels (NGMV). These heavily armed vessels, built by Cochin Shipyard Limited (CSL) at a cost of Rs 9,805 crore, will incorporate stealth, high speed, and offensive capabilities.**

23. Who has been appointed as the Chairperson of National Commission for Women?

- A. Anita Sharma
- B. Uma Devi
- C. Vijaya Rahatkar
- D. Meenakshi Negi



- ✓ **Vijaya Rahatkar has been appointed as the Chairperson of the National Commission for Women (NCW). The appointment was notified by the Ministry of Women and Child Development. Rahatkar previously served as Chairperson of the Maharashtra State Commission for Women and Mayor of Aurangabad. She also held roles as BJP National Secretary and President of the party's women wing. Dr. Archana Majumdar has been appointed as a member of the NCW.**

24. Which state government has recently installed pink alarms at the government-run district hospital and medical college for safety of women?

- A. Karnataka
- B. West Bengal
- C. Madhya Pradesh
- D. Uttar Pradesh



- ✓ **Madhya Pradesh's Datia district hospital and medical college installed 'pink alarms' for women's safety. The initiative was introduced after the rape and murder of a trainee doctor in Kolkata. The pink alarm system, created by district collector Sandeep Makin, alerts security within five minutes of activation. Alarms are installed in staff duty rooms across the Maternity Ward, Trauma Center, and New OPD Block. It is the first government hospital in the state to provide this facility for women's security.**

25. Which Indian player recently won the WR Chess Masters Cup in London?

- A. Arjun Erigaisi
- B. Pentala Harikrishna
- C. Vidit Gujrathi
- D. Krishnan Sasikiran



- ✓ **India's Arjun Erigaisi won the WR Chess Masters Cup in London. He defeated Maxime Vachier-Lagrave in the finals. After two drawn classical games, Arjun won the tiebreaker under time pressure, playing with black. The tournament was a 16-player knockout event. Arjun is now leading the FIDE Circuit.**

26. What is the theme for World Osteoporosis Day 2024?

- A. Say No to Fragile Bones
- B. Step Up for Bone Health - Build Better Bones
- C. Protect your future
- D. Take action for bone health



- ✓ **World Osteoporosis Day is observed on October 20 each year to raise awareness about osteoporosis and metabolic bone diseases. Organized by the International Osteoporosis Foundation (IOF), the campaign engages communities in over 90 countries with local initiatives. Osteoporosis weakens bones, making them fragile and prone to fractures, especially among postmenopausal women and the elderly. The 2024 theme, "Say No to Fragile Bones," emphasizes the need for proactive measures to protect bone health and reduce fracture risks.**

27. Coelogyne tripurensis belongs to which species?

- A. Orchid
- B. Butterfly
- C. Spider
- D. Fish



- ✓ **A new orchid species, Coelogyne tripurensis, was discovered in Jampui Hills, Tripura. It comes from moist broadleaf forests in the Indo-Myanmar Biodiversity Hotspot. The genus Coelogyne has around 600 species, native to the Indian subcontinent, Southeast Asia, and Pacific Islands.**

- ✓ These orchids are mostly epiphytic. The new species belongs to the Fuliginosae section, known for showy flowers and a unique labellum.

28. Which country recently won the ICC Women's T20 World Cup?

- A. South Africa
- B. New Zealand
- C. India
- D. Australia



- ✓ New Zealand won their first Women's T20 World Cup by defeating South Africa by 32 runs. This victory marked a historic day for New Zealand cricket, as the men's team also achieved their first Test win in India in 36 years. The 9th ICC Women's T20 Cricket World Cup was originally scheduled for Bangladesh but was moved to the UAE due to political instability. Bangladesh and the UAE shared hosting rights, with matches held in Dubai and Sharjah from October 3 to 20, 2024.

29. Sri Singeeswarar Temple is located in which state?

- A. Tamil Nadu
- B. Kerala
- C. Maharashtra
- D. Karnataka



- ✓ Copper plate inscriptions from the 16th century were found at Sri Singeeswarar temple in Tiruvallur, Tamil Nadu. The temple is dedicated to Lord Shiva and located in Mappedu Village. It was originally built by Aditya Karikalan II in 976 AD, father of Chola emperor Rajaraja Cholan.
- ✓ Krishnadevaraya's viceroy, Dalavai Ariyanadha Mudaliar, added the Rajagopuram, compound wall, and 16-pillar Mandap in 1501. The temple features Dravidian architecture with a 5-tier Rajagopuram. The main deity, Singeeswarar, is worshipped in the form of a large Shiva Lingam.

30. Which northeastern state has recently launched SWIFT project to rejuvenate 129 wetlands?

- A. Assam
- B. Mizoram
- C. Manipur
- D. Nagaland



- ✓ Assam Chief Minister Himanta Biswa Sarma launched the Sustainable Wetland and Integrated Fisheries Transformation (SWIFT) project to rejuvenate 129 wetlands (beels) with a budget of Rs 800 crore. The project, in partnership with the Asian Development Bank, aims to improve water management and enhance fish production.

- ✓ It will restore 4,000 hectares of beel fisheries, crucial for flood control, groundwater replenishment, and river flow regulation. The initiative will boost indigenous fish production by 1,200 kg per hectare annually, benefiting local communities. The project focuses on sustainable management to support Assam's environmental goals and improve the local economy.

31. Which country recently hosted first G-7 Defence Ministers meeting?

- A. United Kingdom
- B. Italy
- C. Japan
- D. Canada



- ✓ The first-ever G7 Defence Ministers' meeting was held in Naples, Italy, on 19 October 2024, hosted by Italian Defence Minister Guido Crosetto.
- ✓ The meeting took place amid Israel's announcement of killing Hamas chief Yahya Sinwar, accused of masterminding the October 7, 2023, attacks on Israel. Defence ministers from the US, UK, Canada, France, Germany, Japan, and representatives from NATO, the EU, and Ukraine attended the meeting. Italy holds the G7 presidency for 2024. The G7 is a group of advanced industrialized countries including Italy, Germany, France, the UK, Japan, Canada, and the US.

32. Recently, where was the India's first coal gallery inaugurated?

- A. National Science Centre, New Delhi
- B. Nehru Science Centre, Maharashtra
- C. Regional Science Centre, Bhopal
- D. Dharwad Science Centre, Karnataka



- ✓ Union Ministers Gajendra Singh Shekhawat and Satish Chandra Dubey inaugurated India's first coal gallery at the National Science Centre, New Delhi. The exhibition is titled "Black Diamond – Unveiling the Depths" and explores the discovery, extraction process, and mining techniques of coal and other minerals. This exhibition offers a real-life experience of coal and mineral mining. The exhibition is open daily from 9:30 AM to 6 PM.

33. Zeilad Wildlife Sanctuary is located in which state?

- A. Manipur
- B. Assam
- C. Odisha
- D. Bihar



- ✓ The Rongmei Naga Council Manipur (RNCM) opposes oil exploration in Zeilad Wildlife Sanctuary, Tamenglong district, Manipur. The sanctuary, established in 1982, is located near the Indo-Myanmar border. It covers 21 sq. km and features hilly terrain in the Barak River basin. Zeilad Wildlife Sanctuary is home to seven lakes, with Zeilad Lake being the largest and most famous.

34. Exercise Naseem-Al-Bahr is held between India and which country?

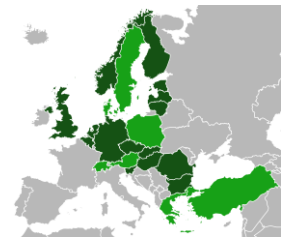
- A. Kuwait
- B. Israel
- C. Oman
- D. Iran



- ✓ **INS Trikand and Dornier Maritime Patrol Aircraft recently took part in the Indo-Oman naval exercise Naseem-Al-Bahr in Goa. This exercise, initiated in 1993, reflects the strong strategic ties between India and Oman. Oman is the first GCC country to conduct bilateral naval exercises with India. The exercise included two phases: a harbour phase with professional interactions and sports, followed by a sea phase. During the sea phase, both navies conducted gun firings, anti-aircraft operations, and replenishment maneuvers. The Dornier aircraft provided Over-the-Horizon Targeting data, enhancing interoperability and understanding of best practices.**

35. Which country has recently joined the European Sky Shield Initiative (ESSI)?

- A. Switzerland
- B. Ukraine
- C. India
- D. Australia



- ✓ **Switzerland has joined the European Sky Shield Initiative (ESSI). ESSI was founded in 2022 after Russia's invasion of Ukraine and is led by Germany. The initiative aims to strengthen Europe's defence against air strikes and enhance NATO's integrated air and missile defence system. ESSI has 21 member states, including the UK. Its key component is the Arrow 3 missile defence system, an Israeli-American technology designed to intercept long-range ballistic missiles.**

36. What is the theme of the 14th biennial lake conference held in Moodbidri?

- A. Wetlands for Human Wellbeing
- B. Biodiversity Management
- C. Water Conservation Strategies
- D. Ecosystem Restoration



- ✓ **The 14th biennial lake conference took place in Moodbidri, Karnataka from October 17 to 20, 2024, focusing on the theme "Lake 2024 - wetlands for human wellbeing." It called for the government to notify ecologically sensitive panchayats under Section 5(1) of the Environment Protection Act 1986 for better ecosystem health. The conference highlighted the ineffectiveness of most Gram Panchayat Biodiversity Management Committees since the Biodiversity Act 2002. It recommended that zilla panchayats supervise these committees through a phased program by State Biodiversity Boards to improve ecosystem health and resource management.**

IMPORTANT LINKS

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